

XUE DENG (DANNY), PhD, OTR/L, HKROT

Assistant Professor | Division of Occupational Therapy

Decker College of Nursing and Health Sciences | Binghamton University

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ACADEMIC APPOINTMENT

2024–Present	Assistant Professor, Division of Occupational Therapy Decker College of Nursing and Health Sciences, Binghamton University, Vestal, NY
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EDUCATION

2015–2019	PhD, Orthopaedics & Traumatology Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong
2014–2015	MS, Occupational Therapy Tufts University, Medford, MA
2009–2012	BSc (Hons), Occupational Therapy The Hong Kong Polytechnic University, Hong Kong

PROFESSIONAL CREDENTIALS

- Occupational Therapist Registered (OTR/L), National Board for Certification in Occupational Therapy (NBCOT), Certification # 353986, since 2016.
- Licensed Occupational Therapist, New York State, License/Registration # 2873432, since 2024.
- Registered Occupational Therapist, Part I (HKROT), Occupational Therapists Board, Hong Kong, Registration # OT101523, since 2014.

RESEARCH FOCUS

- Virtual reality for pain management and rehabilitation, with emphasis on cortical-autonomic mechanisms and multimodal physiological measurement.
- Immersive/XR technologies for neuroscience and health professions education.
- AI-assisted motion capture and adaptive, occupation-based rehabilitation technologies.

EXTERNAL & INTERNAL FUNDING

Awarded Research, Educational & Professional Support

Date	Mechanism	Project / Purpose	Role	Status	Amount
2026	State University of New York Innovative Instruction Technology Grants (SUNY IITG)	AI-Assisted Motion Capture Technology for Human Movement Science Education Across SUNY	PI	Awarded	\$29,966
2026	Excellence in Entrepreneurship and Discovery (EXCEED) Undergraduate Innovation Internship	Real-Time Interactive Computational System for Neurofunctional Mapping	PI	Awarded	\$3,400
2026	Decker College Research Expense Grant (REG)	Mind-Body Mechanisms of Attention-Capture VR Analgesia	PI	Awarded	\$2,000
Summer 2026	Binghamton University Projects for New Undergraduate Researchers (BUPNUR)	VR Neuroscience Education via Multimodal Measurement	PI	Awarded	\$5,000
Spring 2026	Binghamton University Projects for New Undergraduate Researchers (BUPNUR)	VR Neuroscience Education via Multimodal Measurement	PI	Awarded	\$2,500
2025	Individual Development Award (IDA)	VR neuroscience education / teaching and scholarship support	Recipient	Awarded	\$2,000
Summer 2025	Binghamton University Projects for New Undergraduate Researchers (BUPNUR)	Application of VR as a Teaching Tool in Neuroscience Education	PI	Awarded	\$5,000
2025	Individual Development Award (IDA)	Meaningful XR Conference presentation, UC Davis	Recipient	Awarded	\$1,234.57

Date	Mechanism	Project / Purpose	Role	Status	Amount
Spring 2025	Binghamton University Projects for New Undergraduate Researchers (BUPNUR)	Application of VR as a Teaching Tool in Neuroscience Education	PI	Awarded	\$2,500
2024	Decker College Research Enhancement Grant (REG)	Use of Virtual Reality as a Teaching Tool for Neuroscience Education	PI	Awarded	\$1,990
2021–2024	Shenzhen Committee of Scientific and Technical Innovation	A Mechanical Study of Virtual Reality for Attenuating Chronic Pain via Multi-modal Neuroimaging Technique (JCYJ20210324115014038)	PI	Awarded	RMB 250,000 (~US\$37,050)
2018–2020	Innovation and Technology Support Program	Next-generation Neuromuscular Ultrasound for Noninvasive Assessment of Peripheral Nerves (ITS/152/18)	Consultant (clinical trial design)	Awarded	HKD 1,390,000 (~US\$178,000)
2019–2021	Hong Kong Jockey Club Charities Trust	CUHK-Jockey Club Pain Relief Project for the Seniors (2018-0093)	Core team member	Awarded	HKD 12,190,000 (~US\$1.563M)
2017–2018	University of Hong Kong Seed Fund for Basic Research	Investigation of Neuroplastic Change in Peripheral Nerve Compression Injury (4113-16)	Core team member	Awarded	HKD 37,320

Current External Funding Applications

Date	Mechanism	Project / Purpose	Role	Status	Amount
2026	NIH R21	Paradigm-Specific Cortical-Autonomic Response Profiles Underlying VR Analgesia: Translation to Chronic Low Back Pain	PI	Submitted	\$398,750
2026	AOTF	From Virtual to Real: A Client-Centered, Scaffolded Occupation-Based Intervention for Chronic Low Back Pain	PI	LOI submitted	TBD

CURRENT RESEARCH & INNOVATION PROJECTS

- Mind-Body Mechanisms of Attention-Capture VR Analgesia: A Synchronized fNIRS and Autonomic Function Pilot Study — Principal Investigator; Decker REG; 2026–2027.
- VR Neuroscience Education via Multimodal Measurement — Principal Investigator; IRB STUDY00007652; active human-subject research integrating VR, eye/face tracking, and physiological measurement.
- AI-Assisted Motion Capture Technology for Human Movement Science Education Across SUNY — Principal Investigator; IRB STUDY00007584; cross-campus collaboration among Binghamton University and Stony Brook University.
- Real-Time Interactive System for Lesion-Based Neurofunctional Mapping and Pathophysiological Signal Simulation in 3D Neural Pathways — Inventor / project lead; Binghamton University Technology Transfer disclosure #RB856; supported by EXCEED.

RESEARCH PROJECTS

Current / Recent Projects

- Mind-Body Mechanisms of Attention-Capture VR Analgesia: A Synchronized fNIRS and Autonomic Function Pilot Study — Principal Investigator; Decker REG-supported pilot, 2026–2027.
- VR for Neuroscience Education via Multimodal Measurement — Principal Investigator; Binghamton University IRB STUDY00007652; BUPNUR-supported, ongoing human-subject research, 2026.
- AI-Assisted Motion Capture Technology for Human Movement Science Education Across SUNY — Principal Investigator; SUNY IITG; Binghamton University IRB STUDY00007584; 2026–2027.
- Use of Virtual Reality as a Teaching Tool for Neuroscience Education — Principal Investigator; Binghamton University IRB STUDY00005477; Decker REG and BUPNUR support; completed 2025.

Selected Prior Research Projects

- A Mechanical Study of Virtual Reality for Attenuating Chronic Pain via Multi-modal Neuroimaging Technique — Principal Investigator; Shenzhen Committee of Scientific and Technical Innovation; Project JCYJ20210324115014038; Clinical Trial Registry ChiCTR2200061536; RMB 250,000 (approx. USD 37,050), 2021–2024.
- Next-generation Neuromuscular Ultrasound for Noninvasive Assessment of Peripheral Nerves — Consultant for clinical trial design; Innovation and Technology Support Program; Project ITS/152/18; HKD 1,390,000 (approx. USD 178,000), 2018–2020.
- CUHK-Jockey Club Pain Relief Project for the Seniors — Core Study Team Member; Hong Kong Jockey Club Charities Trust; Project 2018-0093; HKD 12,190,000 (approx. USD 1,563,000), 2019–2021.

- Investigation of Neuroplastic Change in Peripheral Nerve Compression Injury — Core Study Team Member; University of Hong Kong Seed Fund for Basic Research; Project 4113-16; HKD 37,320, 2017–2018.
- Ultrasonography as an Alternative Diagnostic Tool for Carpal Tunnel Syndrome and Its Relationship with Neuroplastic Changes — Core Study Team Member; HKUCTR-2220; 2017–2019.
- Neurophysiological Findings for Severe Carpal Tunnel Syndrome and Impact on Treatment Options — Core Study Team Member; HKUCTR-2201; 2017–2019.

PUBLICATIONS

Peer-Reviewed Journal Articles

1. **Deng, X.** (2026). Uncovering the mechanisms of virtual reality (VR)-enhanced neuroscience education: The role of eye tracking and facial expression recognition. *Frontiers in Virtual Reality*, 7, Article 1741217. <https://doi.org/10.3389/frvir.2026.1741217>
2. Tang, Y., Li, H., **Deng, X.**, Zhang, X., Feng, B., Ip, W. Y., & Lee, W. N. (2026). Coordinate-independent ultrasound assessment for complex tissue kinematics: A preliminary study on median nerve mobility. *IEEE Transactions on Biomedical Engineering*. <https://doi.org/10.1109/TBME.2025.3590541>
3. **Deng, X.**, Jiang, N., Huang, Z., & Wang, Q. (2025). Cortical activation and functional connectivity response to different interactive modes of virtual reality (VR)-induced analgesia: A prospective functional near-infrared spectroscopy (fNIRS) study. *Journal of Pain Research*, 18, 1095–1108. <https://doi.org/10.2147/JPR.S492361>
4. **Deng, X.**, Jian, C., Yang, Q., Jiang, N., Huang, Z., & Zhao, S. (2022). The analgesic effect of different interactive modes of virtual reality: A prospective functional near-infrared spectroscopy (fNIRS) study. *Frontiers in Neuroscience*, 16, 1033155.
5. **Deng, X.**, Chau, L. H., Chau, S. Y., Leung, K. P., Hu, Y., & Ip, W. Y. (2021). Neural plasticity secondary to carpal tunnel syndrome: A pseudo-continuous arterial spin labeling study. *Neural Regeneration Research*, 16(1), 158–165.
6. **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Hu, Y., & Ip, W. Y. (2019). Prognostic value of ultrasonography in predicting therapeutic outcome for carpal tunnel syndrome after conservative treatment: A retrospective long-term follow-up study. *Journal of Medical Ultrasound*, 27(4), 192–197.
7. **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Hu, Y., & Ip, W. Y. (2019). Screening of axonal degeneration in carpal tunnel syndrome using ultrasonography and nerve conduction studies. *Journal of Visualized Experiments*, (143), e58681.
8. **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Hu, Y., & Ip, W. Y. (2019). Diagnostic use of ultrasonography in carpal tunnel syndrome and its correlation with the Chinese version of Boston Carpal Tunnel Questionnaire. *Journal of Medical Ultrasound*, 27(3), 124–129.
9. Law, W., **Deng, X.**, Lin, B. S. B., Wong, Y. Y. H., & Regina, W. S. (2019). Exploring the pain experience of Chinese elderly patients with chronic musculoskeletal pain and multimorbidity in primary care: A qualitative study using a grounded theory approach. *Asia Pacific Family Medicine*, 18(1).
10. **Deng, X.**, Chau, L. H. P., Chau, S. Y., Leung, K. P., Li, S. W., & Ip, W. Y. (2018). Exploratory use of ultrasound to differentiate carpal tunnel syndrome associated with axonal degeneration. *Neural Regeneration Research*, 13(2), 317–323.
11. Li, P., Li-Tsang, C. W. P., **Deng, X.**, Wang, X., Wang, H., Zhang, Y., et al. (2018). The recovery of post-burn hypertrophic scar in a monitored pressure therapy intervention programme and the timing of intervention. *Burns*, 44(6), 1451–1467.
12. **Deng, X.**, Deng, H., Yu, L. H., & Ip, W. Y. (2017). Certified hand therapist exam and credential system of the United States: Introduction and referential significance. *Chinese Journal of Rehabilitation Theory and Practice*, 23(4), 488–493. [Chinese]
13. **Deng, X.**, Deng, H., Yu, L. H., & Ip, W. Y. (2017). Principle of design and analysis of authentic questions in the NBCOT examination: Implications for development of occupational therapy in China. *Chinese Journal of Rehabilitation Theory and Practice*, 23(7), 859–864. [Chinese]
14. **Deng, X.**, Yu, L. H., & Ip, W. Y. (2017). Decoding the Occupational Therapist Registered (OTR) Exam. *Chinese Journal of Rehabilitation Medicine*, 32(5), 570–575. [Chinese]
15. **Deng, X.**, Wu, X. L., Han, L., Zheng, B., Yin, Y., & Yu, L. H. (2015). Survey of rehabilitation therapy in clinical settings of Chongqing in 2015: Some thoughts for local all-around development in rehabilitative profession. *Chinese Journal of Medical Education Research*, 15(12), 1284–1290. [Chinese]
16. Li-Tsang, C. W. P., He, C. Q., Lo, A. G. W., Ding, S. J., **Deng, X.**, Yang, Y. H., & Zhang, Y. T. (2015). Rehabilitation needs of the survivors of the 2013 Ya'an earthquake in China. *Journal of Rehabilitation Medicine*, 47(7), 586–592.

Peer-Reviewed Book Chapter

17. **Deng, X.**, Dumitrescu, C., & Orkwis, A. (2026). Virtual reality for neuroscience education through immersive learning. In *Transforming Business, Industry, and Education for a Dynamic World* (pp. 23–52). IGI Global Scientific Publishing. <https://doi.org/10.4018/979-8-3373-7927-2.ch002>

Manuscript Under Review

18. **Deng, X.**, Dumitrescu, C., Osman, C., et al. (2026). Student experiences with immersive virtual reality in neuroscience education: A convergent mixed-methods study. *Anatomical Sciences Education*. Submitted October 2, 2026.

Other Book / Translated Chapters

- **Deng, X.** (2017). Chapter 4 Session 6: Pressure therapy. In *Manuals for Occupational Therapy*. People's Medical Publishing House. ISBN 978-7-117-24922-5/R.24923 [Chinese]
- Li-Tsang, C. W. P., & **Deng, X.** (2015). Pressure therapy for burn scar. In *Early Rescue and Rehabilitation for Burn Injury* (pp. 466–503). Hebei Publishing House of Science and Technology. ISBN: 9787537576857 [Chinese]
- Li-Tsang, C. W. P., & **Deng, X.** (2015). The role of occupational therapist in burn rehabilitation. In *Burn Rehabilitation* (pp. 336–360). People's Medical Publishing House. ISBN: 9787117198875 [Chinese]
- **Deng, X.** (2021). "Extensor tendon repair" (Chapter 29, Chinese translation). In A. Green, R. Hayda, & A. Hecht (Eds.), *Postoperative Orthopaedic Rehabilitation*. Beijing Science & Technology Publishing. ISBN 978-7-5714-0693-6.

CONFERENCE PRESENTATIONS

- **Deng, X.** (2025). Efficacy and brain mechanism of virtual reality for pain management. Peer-reviewed poster, Meaningful XR Conference, University of California, Davis, CA.
- **Deng, X.** (2023). Different interactive modes of virtual reality for pain management. 1st Conference of Chinese Ethnic Medicine, Beijing, China.
- **Deng, X.**, Lou, W. T., Chau, L. H. P., Chiu, S. Y., Leung, K. P., Li, S. W., & Ip, W. Y. (2019). Factor analysis of Boston Carpal Tunnel Questionnaire and its correlation with chronicity of pain in correspondent brain regions. Poster, 5th Kaua'i Pain Conference, Hawaii.
- **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Li, S. W., & Ip, W. Y. (2018). Exploratory use of ultrasound to differentiate carpal tunnel syndrome associated with axonal degeneration. Oral presentation, 23rd International Conference on Neurology and Neurosurgery, Rome, Italy.
- **Deng, X.**, & Ip, W. Y. (2018). Is authorship revisable? Oral presentation, Asia Pacific Research Integrity Network Meeting, Taipei, Taiwan.
- **Deng, X.** (2017). Decoding NBCOT Examination. Oral presentation, 3rd OT Education in China Symposium, Fuzhou, China.
- **Deng, X.** (2015). Overseas OT Education. Oral presentation, 2nd OT Education in China Symposium, Shanghai, China.
- **Deng, X.** (2015). The role of occupational therapist in orthopedic rehabilitation. Oral presentation, Annual Meeting of the Chongqing Association of Physical Rehabilitation and Medicine, Chongqing, China.
- **Deng, X.** (2014). Management of pediatric burnt hands: A case report. Oral presentation, 7th World Congress on Pediatric Burns, Boston, MA.
- **Deng, X.** (2014). The role of occupational therapist in rehabilitation. Oral presentation, Annual Meeting of the Chongqing Association of Physical Rehabilitation and Medicine, Chongqing, China.
- **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Li, S. W., & Ip, W. Y. (2018). Exploring use of ultrasonography to distinguish symptom dominance for patients with carpal tunnel syndrome and implications for neuroplastic patterns. Poster presented by W. Y. Ip, American Association for Hand Surgery Annual Meeting, Phoenix, AZ.
- **Deng, X.**, Chau, L. H. P., Chiu, S. Y., Leung, K. P., Li, S. W., & Ip, W. Y. (2017). Exploring use of ultrasound to differentiate carpal tunnel syndrome associated with axonal degeneration. Poster, 22nd Research Postgraduate Symposium, Hong Kong.
- **Deng, X.**, & Li-Tsang, C. W. P. (2014). Management of pediatric burnt hands: A case report. 7th World Congress on Pediatric Burns, Boston, MA.
- **Deng, X.**, Li, P., Wang, H. J., & Li-Tsang, C. W. P. (2014). Clinical effectiveness of smart pressure-monitored suits in management of post-burn hypertrophic scars. Australia & New Zealand Burn Association / ISBI 2014, Sydney, Australia.

TEACHING EXPERIENCE — BINGHAMTON UNIVERSITY

Course	Title	Role	Term(s)
OCT 603	Kinesiology and Functional Biomechanics	Course Leader	Fall 2025, Fall 2026
OCT 605	Neuroscience of Behavior	Co-Instructor / Course Leader	Spring 2025, Spring 2026
OCT 612	Rehabilitation: Orthopedics	Co-Instructor	Fall 2026
OCT 615	Assistive Technology	Co-Instructor	Spring 2026
OCT 630	Theories of Inquiry and Research Methodology in Translational Science	Course Leader	Summer 2025
OCT 631	Research Process I: Foundation & Scholarship Literature	Course Leader	Fall 2025
PSYC 397	Independent Study	Research Supervisor	Fall 2025–Spring 2026; Fall 2026

Interprofessional Guest Teaching

- PT 653: Integumentary III – Prosthetics & Orthotics, Doctor of Physical Therapy Program, Binghamton University — invited by Dr. Adam Strizak; hands-on upper-extremity orthotic fabrication laboratories, Spring 2025 and Spring 2026.

STUDENT RESEARCH & CAPSTONE MENTORSHIP

Undergraduate Research Mentorship

AY	Student	Program	Project	Support
2024–2025	Mackenzie Farquaharson	Psychology	VR neuroscience education	BUPNUR
2024–2025	Miruna Radu	Psychology	VR neuroscience education	BUPNUR
2025–2026	Conner Osman	Integrative Neuroscience	VR neuroscience education	BUPNUR; PSYC 397 (2 semesters)
2025–2026	Quoc Gia Huy (Harry) Do	Computer Science	VR neuroscience education via multimodal measurement	BUPNUR
2025–2026	Ayyan Khan	Computer Engineering	VR neuroscience education via multimodal measurement	BUPNUR
2026–2027	Salaj Rijal	Computer Science	VR neuroscience education via multimodal measurement	BUPNUR
2026–2027	Cody Zhou	Computer Science	Neurofunctional mapping XR system	EXCEED
2026–2027	Karen Perry	Psychology	VR neuroscience education via multimodal measurement	PSYC 397
2026–2027	Harrison Wallace	Integrative Neuroscience	VR neuroscience education via multimodal measurement	PSYC 397
2026–2027	Revend Zebari	Psychology	VR neuroscience education via multimodal measurement	PSYC 397
2026–2027	Monserat Ochoa	Psychology	VR neuroscience education via multimodal measurement	PSYC 397

OTD Research and Capstone Mentorship

- Abraham Ramirez (2024–2026) — Capstone Advisor; Cultural humility in occupational therapy practice.
- Victoria Foo (2024–2025) — Co-Supervisor / Capstone Mentor; post-professional doctoral capstone project.
- Maya Pelayo (2025–2026) — Capstone Advisor; impact of adverse childhood experiences on perinatal women using the Model of Human Occupation.
- Guinevere McCarrick (2026–2027) — Research Mentor / PI; AI-Assisted Motion Capture Technology for Human Movement Science Education Across SUNY.
- Chloe McCarthy (2026–2027) — Research Mentor / PI; AI-Assisted Motion Capture Technology for Human Movement Science Education Across SUNY.

SERVICE

University / College / Division Service

- **Interprofessional Education (IPE) Program Committee and Curriculum & Assessment Subcommittee**, Occupational Therapy representative, 2024–present; contributed to curriculum, assessment, policy, and Binghamton University IPE Strategic Plan 2026–2031 review.
- **BIPEC student interprofessional education organization** — contributed to early planning and establishment.
- **President’s Award Evaluation** — University-level adjudicator for undergraduate applications, February 2026.
- **Decker College Faculty Search Committee** — committee member; candidate screening, interviews, and evaluation.
- **Occupational Therapy Faculty Search Committee** — Chair, 2025.

- **OT Division Faculty Scholarship and Resources Committee** — member; grant information-sharing presentation and research-resource development.
- **OT Division Laboratory Committee** — member; policies/procedures, laboratory manuals, space allocation, supplies/equipment, and instructional laboratory operations.
- **ACOTE Accreditation Preparation and Curriculum Support** — 2024–2026; course documentation, curriculum/standards mapping, self-study, and strategic planning.
- **Program Evaluation Champion**, OT Division — ongoing program evaluation and continuous-improvement activities.
- **Decker Clinic Development** — consultation on occupational therapy physical-dysfunction equipment and supply needs, December 2025.
- **OT Open House** — recurring faculty participant; interactive anatomy, neuroscience, orthosis fabrication, and VR demonstrations for prospective students.
- **NYSOTA Annual Conference** — represented the OT Division at the exhibition booth in 2025; continuing outreach role in 2026.
- **Binghamton University Commencement** — faculty participant for two consecutive years.
- **Pokfield Road Residence, The University of Hong Kong** — Resident Tutor / Honorary Resident Tutor / Junior Resident Tutor, 2015–2019; student mentorship and event organization for overseas and non-local residents.

Professional Service

- **Scholarly peer review:** completed 33 review assignments between September 2024 and September 2026 (32 journal manuscript reviews and 1 scholarly book chapter review).
- **Selected journals reviewed for:** American Journal of Occupational Therapy; Open Journal of Occupational Therapy; Journal of Occupational Therapy in Health Care; Scientific Reports; Journal of Pain Research; Surgical and Radiologic Anatomy; Disability and Rehabilitation; and other interdisciplinary health-science journals.

MEDIA FEATURES & INSTITUTIONAL HIGHLIGHTS

- 2026** Featured faculty and cover story, “Rewiring Anatomy Education: Virtual Reality Brings the Brain to Life for Occupational Therapy Students.” *Decker Connect*, Binghamton University, Fall 2026.
- 2025** Blando-George, N., & Knox. “[Occupational therapist Xue ‘Danny’ Deng shares his journey and passion.](#)” Faculty feature highlighting occupational therapy, virtual reality, neuroscience education, and professional trajectory

INTELLECTUAL PROPERTY & ENTREPRENEURSHIP

- Technology disclosure #RB856, “Real-Time Interactive System for Lesion-Based Neurofunctional Mapping and Pathophysiological Signal Simulation in 3D Neural Pathways,” Binghamton University Office of Technology Transfer, 2026.
- NSF I-Corps Regional Course, completed during first academic year at Binghamton University; training in customer discovery and technology commercialization, 2025.
- Deng, X. (2022). A detachable trolley for multi-functional use. China Patent No. 2021 2 2117075.6.

PRIOR PROFESSIONAL EXPERIENCE

2023–2025	Founder and Chairperson, Danny’s DreamWorks Information Consultancy (Shenzhen) Co., Ltd. Consultative services and professional mentorship in rehabilitation.
2020–2023	Research Assistant Professor, Eighth Affiliated Hospital of Sun Yat-Sen University, Shenzhen, China PI for VR-induced analgesia studies; clinical teaching/training in hand and pediatric rehabilitation.
2020	Occupational Therapist I, Fu Hong Society, Hong Kong Community physical-disability and pediatric special-education occupational therapy.
2020	Senior Research Assistant, The University of Hong Kong Clinical consultancy for innovative ultrasonographic diagnostic studies.
2019–2020	Occupational Therapist II, The Chinese University of Hong Kong Community OT for older adults with chronic pain; research in pain-management approaches.
2015	Research Assistant, The University of Hong Kong Peripheral nerve injury research.
2012–2014	Occupational Therapist II, The Hong Kong Polytechnic University Burn rehabilitation research, service teaching, Sichuan earthquake rehabilitation, and research-product commercialization.

SELECTED ADVANCED TRAINING

- Advanced training in functional near-infrared spectroscopy (fNIRS) data processing, Shanghai Siyin Science & Technology, Shanghai, China, 2021.
- Certificate in Virtual Reality Application Design and Development, Fevaworks IT Education Center, Hong Kong, 2020.
- Neurobiology of Stress and Resilience, Neuroscience School of Advanced Studies, Venice, Italy, 2018.
- Certificate of Teaching and Learning in Higher Education, The University of Hong Kong, Hong Kong, 2016.
- Certificate course in rehabilitation of the hand and upper extremities, Tufts University / Massachusetts General Hospital CHT instructors, MA, USA, 2014–2015.

SELECTED CLINICAL FIELDWORK

- Cambridge Health Alliance Assembly Square Care Center, Boston, MA — Hand rehabilitation under CHT supervision, 2015.
- SAHK B.M. Kotewall Memorial School, Hong Kong — School-based occupational therapy, 2012.
- Kowloon Hospital, Hong Kong — Psycho-geriatrics, 2011.
- Tung Wah Hospital, Hong Kong — Adult neurorehabilitation, 2011.
- Castle Peak Hospital, Hong Kong — Psychiatry, 2010.
- Ruttonjee Hospital, Hong Kong — General hospital occupational therapy, 2010.

AWARDS & HONORS

- 2nd Prize, English Teaching Competition, Eighth Affiliated Hospital of Sun Yat-Sen University, 2021.
- Overseas High-Caliber Personnel (Level C), Human Resources and Social Security Administration of Shenzhen Municipality, 2020.
- Postgraduate Scholarship, The University of Hong Kong, 2015.
- Tuition Scholarship, Tufts University, 2014.
- Cynthia Tang Memorial Scholarship, The Hong Kong Polytechnic University, 2009.