

KHINE THIN ZAR HTUN
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CAREER OBJECTIVE

Enthusiastic and detail-oriented graduate with a degree in Computer Science and Electronics, seeking the role of Graduate Engineer. Eager to apply my foundational knowledge in secure software engineering, automation systems and a strong analytical skill set. Committed to ensuring high-quality project delivery and exceeding client expectations.

EDUCATION

February 2022 - November 2023 **University of Adelaide**

Master of Computer Science

GPA: 6.214/7.0

Graduation thesis title: "Automated and Precise Anatomical Landmark Detection in Hip X-Rays: Harnessing AI"

Core Coursework: Applied Natural Language Processing, Distributed Systems, Event-driven Computing, Secure Software Engineering, and Applied Machine Learning

December 2013 - October 2019 **Yangon Technological University**

Bachelor of Electronics Engineering

GPA: 4.6/5.0

Graduation thesis title: "Terahertz Compressed Sensing Tomography System"

Core Coursework: Electronic Control Engineering, Electronic Communication Engineering, Electronic Signal Processing Engineering, Computer Engineering, and Semiconductor Engineering

PUBLICATION

- **Htun, K. T. Z.**, Wu, B. Y., Wang, F. L., Hung, Y. C., & Yang, S. H. (2020, April). Terahertz LASSO compressed sensing tomography system. In *Terahertz Photonics* (Vol. 11348, p. 113480O). International Society for Optics and Photonics
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WORK EXPERIENCE

May 2023 - July 2023 **Machine Learning Intern**

The Australia Institute of Machine Learning | Adelaide, SA

- Acquired in-depth knowledge in machine learning techniques, specifically for landmark detection
- Conducted extensive research for a project focused on theme 'AI-based Detection and Monitoring of Anatomical Landmarks in Hip X-Ray Images.', leading to landmark detection with less than 3mm of error distance
- Applied advanced data analysis methodologies to extract meaningful insights and contribute to project's objectives
- Engaged collaboratively with a multidisciplinary team to accomplish research milestones and ensure project's success

Skills: Machine learning techniques, collaboration, problem solving, data analysis, research skills, Jupyter Notebook, GitHub, Jira

February 2020 - February 2021 **Radio Frequency Engineer (Production)**

TRD Singapore | Yangon, Myanmar

- Established in strategically planning, managing, and overseeing all facets of production to ensure efficiency by 33% and quality outcomes
- Complied production protocols and enforce strict quality control measures to maintain high standards
- Coordinated with 3-member engineer team to develop prototypes and contributed towards implementation of products, ensuring alignment with organizational objectives

Skills: Anti-drone technology, radio-frequency engineering, technical expertise, team coordination, adaptability, production planning and management

December 2018 - Research Intern
July 2019

National Tsing Hua University | Hsinchu, Taiwan

- Acquired knowledge in nanofabrication of terahertz plasmonic photoconductive antenna and terahertz imaging
- Carried out research work for graduation thesis under topic, Terahertz Compressed Sensing Tomography System' in Yang Research Group
- Published research paper at Society of Photo-Optical Instrumentation Engineers (SPIE) Europe (2020) on terahertz imaging with reputed professor

Skills: Laser and optical engineering, computer vision, terahertz technology, mathematical and computation, Python, MATLAB, communication skills

PART-TIME WORK EXPERIENCE

November 2022 - Food Service Assistant
Present

Mr. Wongs Asian Restaurant | Adelaide, SA

- Demonstrated commitment to providing exceptional customer service
- Prepared and served meals with attention to quality and presentation
- Charged for monitoring and managing stock levels, ensuring an adequate supply of drinks

SKILLS

- Java, Python, MATLAB, AutoCAD
- Strong background in Machine Learning, Radio Frequency Engineering, Optical Engineering, and Signal Processing
- Excellent research and planning skills, demonstrated leadership abilities
- Fluent in English and Burmese

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Achieved Adelaide Graduate Award bestowed by the University of Adelaide (2023)
- Volunteered as Peer Assisted Study Sessions (PASS) leader at the University of Adelaide (2023)
- Achieved the Honda Young Engineer and Scientist's Award in Myanmar (2018)
- Competed in YTU Innovation Challenge under subtopic "Smart Waste Treatment and Water Management". (2018)
- Served as a volunteer in Myanmar Youth Technopreneur-ship Development Program (2018)
- Volunteered as a teaching assistant in Microsoft Word for Thesis course (2017)

PORTFOLIO WEBSITE

<https://ktzhtun.github.io>