

Khine Thin Zar Htun

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Summary

As a Machine Learning Intern at the Australian Institute for Machine Learning (AIML), I work on a project that applies AI-based techniques to hip landmark detection, which can improve the accuracy and efficiency of medical diagnosis and treatment. I use my skills in Jira, GitHub, and research to collaborate with other interns and researchers, and contribute to the development and evaluation of the AI model.

I am also a Computer Science graduate from the University of Adelaide, where I completed my Master's degree in December 2023. I have a strong background in engineering, having graduated from Yangon Technological University with a major in Electronics and Communication in 2019. I have also worked as an Electronic Engineer at TRD for a year, where I was involved in designing and testing electronic radio frequency products. In addition, I have completed a research internship at National Tsing Hua University, where I studied terahertz compressed sensing tomography systems and received the Honda Young Engineer and Scientist's Award in 2018.

My goal is to pursue a career in AI research and development, and to apply my knowledge and skills to solve real-world problems and create positive social impact. I am passionate about learning new technologies and methods, and I am always eager to take on new challenges and opportunities.

Experience



Intern

Australian Institute for Machine Learning (AIML)

May 2023 - Jul 2023 (3 months)

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



Electronic Engineer

TRD Singapore

Feb 2020 - Jan 2021 (1 year)

- Proficient in strategically planning, managing, and overseeing all facets of production to ensure efficiency and quality outcomes.
- Diligently follow production protocols and enforce strict quality control measures to maintain high standards.
- Actively contribute to research initiatives and play a key role in the seamless implementation of products, ensuring alignment with organizational objectives.



Graduation Thesis

National Tsing Hua University

Apr 2019 - Jul 2019 (4 months)

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



Intern

National Tsing Hua University

Dec 2018 - Jan 2019 (2 months)

Studied

- (1) nano-fabrication of terahertz plasmonic photoconductive antenna
- (2) terahertz imaging

Education



University of Adelaide

Master of Computer Science, Computer Science

Mar 2022 - Nov 2023



Yangon Technological University

2013 - 2019

Skills

Semiconductor Engineering • Computer Engineering • React.js • Cascading Style Sheets (CSS) • Laser Physics • Data Science • Computer Vision • Problem Solving • Git • Jira

Honors & Awards

Honda Young Engineer and Scientist's Award (2018)

Adelaide Graduate Award - University of Adelaide

Oct 2023