

Barry Tran

+61434688160 | tvbbd2@gmail.com | xineohperif.netlify.app | linkedin.com/in/xineohperif | github.com/TheSkrtnerd

EDUCATION

University of Adelaide

Adelaide, SA

Bachelor of Computer Science (Advanced), GPA: 7.0/7.0

July 2023 – Nov. 2025 (Expected)

EXPERIENCE

Summer Research Intern

Nov. 2023 – Present

Australian Institute for Machine Learning

- Pioneered the development of a groundbreaking AI model for analyzing 4D lung data as part of the research project, *"Exploring X-ray Velocimetry (XV) imaging and Machine Learning for the detection and monitoring of cystic fibrosis disease in preclinical data"*
- Utilized Matplotlib, NumPy, and PyTorch for data visualization and integration of innovative AI solutions
- Employed classifiers and ensemble models, alongside dimension reduction and features extraction techniques

Fullstack Developer Intern

Oct. 2023 – Present

Budi Startup

- Developed a responsive and functional landing page leveraging technologies like AstroJS, React, and Tailwind
- Completed project in 4 days, demonstrating expertise in efficient development practices
- Expanded the user database by 20%, contributing to the overall growth and impact of the startup's online presence

PROJECTS

Event Management Web App | Django, REST Framework, React, TailwindCSS

Oct. 2022 – Feb. 2023

- Implemented efficient event management, using Django as backend with Django REST framework
- Integrated QR code scanning and automated ticket generation for efficient event check-ins
- Utilized React and TailwindCSS for the frontend, employing Webpack and Babel to compile for production

Doodle Duo Game | C++, SFML, Git, Catch2

Sep. 2023 – Oct. 2023

- Collaborated in a team of 2 to conceptualize, design, and develop a captivating 2D platformer game
- Executed flawless coding in C++ and SFML, ensuring smooth player interactions and captivating gameplay
- Achieved a perfect 100% final mark, highlighting precision in coding and effective teamwork

Obesity Rate Analysis | BeautifulSoup, Pandas, Numpy, Matplotlib

Aug. 2023 – Sep. 2023

- Explored correlations between fast-food stores, gyms and average obesity rates across 28,000 U.S. cities
- Used BeautifulSoup to collect data on fast-food stores and gyms for a detailed dataset
- Analyzed with Numpy and Matplotlib, improving understanding of environmental factors in obesity prevalence

Soccer Games Discord Bot | Discord API, Flask, Requests-HTML

Sep. 2021 – Jan. 2022

- Developed a Soccer Discord Bot featuring engaging games like "Missing 11", "Guess the Players", etc.
- Crawled data from Transfermarkt using requests-html, ensuring real-time and accurate soccer information
- Attracted 80 new members to the local Discord server, fostering community connection

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS, Assembly, Dart

Frameworks: React, AstroJS, NextJS, Django, Flask, Flutter, TailwindCSS

Developer Tools: Git, Docker, Google Cloud Platform, Jupyter Notebook, Linux

COMMUNITY INVOLVEMENT

Second Year Representative | Adelaide University Mathematics Society

Oct. 2023 – Present

Events Officer | Adelaide MedTech Hackathon

Oct. 2023 – Present

Ingenuity Event Volunteer | University of Adelaide

Oct. 2023

HONORS AND AWARDS

Third Prize | Vietnam Mathematical Olympiad

Mar. 2023

Meritorious Prize | International Mathematical Modeling Challenge

May 2022