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 – Feb. 2024
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 – Feb. 2024
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*   Nov. 2023 – Jan. 2024
- 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*   Nov. 2023 – Jan. 2024
- 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