

CHOOI YAO FENG

YEAR 3 COMPUTER SCIENCE STUDENT

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PROFILE

Year 3 Computer Science student who is studying at Asia Pacific University, intending to achieve a first-class honours degree. I possess proficiency in programming languages such as **Java** and **Python** and passionate about coding and problem-solving. I have a particular interest in **algorithms** and **web development**, and I actively invest my free time in skill enhancement. I am dedicated to ongoing practical learning, aspiring to grow both professionally and personally, with the aim of becoming a better individual. Enthusiastic in seeking a challenging and rewarding role as a **software engineer** or any **data-focused position**. Eager to apply my diverse skill set in a forward-thinking organization, collaborating with a team of interesting individuals, and contributing to innovative projects. Committed to personal and professional growth in a dynamic environment.

Career Interest : Software Engineer, FullStack Developer, Software Developer, AI Engineer

EDUCATION

Asia Pacific University of Innovation & Technology

BSC (Hons) in Computer Science with a Specialism in Data Analytics

2022 - Present

- Year 3 GPA - 3.58
- Year 2 GPA - 3.6
- Year 1 GPA - 3.54

PROJECT

Introduction to C Programming

- Developed a non-GUI leave management system in C with key features for Superior, Admin, and Staff users.
- Applied local time in and relevant validation in the system.
- Gained experience with C pointer, which improved understanding of data structures and memory.
- Designed a more clear and tidy display in the system.
- Enhanced programming skills and system architecture knowledge.

Introduction to Database Management

- Worked as part of a team to build a relational database for an e-bookstore using MSSQLServer.
- Applied Business Rules, Normalisation up to 3rd Normal Form
- Applied Data Definition Language and Data Manipulation Language
- Responsible for establishing relationships between entities in an ERD

Object Oriented Development with Java

- Developed a GUI Purchase Order Management System
- Applied Unified Modeling Language (UML)
- Applied Object-oriented programming (OOP)
- Constructed a File Manager for File I/O.

Real Time System (Rust)

- Simulated a stock market with Stock & Trade Side components.
- Managed real-time order processing, matching, and price updates.
- Utilized RabbitMQ for messaging and JSON for data storage.
- Implemented async processing with Tokio for concurrency.
- Optimized performance using RwLock + MPSC in Rust.

NextJS Ecommerce Website with CMS& Admin Dashboard

- Learned & Built a full-stack e-commerce platform using Next.js 13, React, and TailwindCSS.
- Developed a custom admin dashboard & CMS for product and content management.
- Integrated Prisma ORM with MySQL for efficient data handling.
- Implemented secure authentication, authorization, and responsive UI/UX with Shadcn-UI.

TECHNICAL SKILL

- Back-End
 - Java, C++, C, Python, Node, Rust
 - Flask, FASTAPI
 - RabbitMQ, Redis
- Data Analysis
 - Numpy, Pandas , PowerBI,
 - Machine Learning, Tensorflow
- Front-End
 - HTML, CSS, TailwindCSS,
 - Javascript, Typescript
 - React, Angular
 - Antd, Shadcn
- Database
 - MSSQL Server
- Application&Tools
 - Visual Studio Code, Visual Studio 2022, MSSQL Server Management Studio, Microsoft Tools, Cursor
 - Docker, Jenkins, Postman, Ubuntu, Github
 - Canva, Draw.io, Figma, Jira
- Others
 - Git, Agile development, CI/CD Development,

EXPERIENCE

IFAST GLOBAL HUB AI - FULLSTACK DEVELOPER (WEB)

2024 APRIL - 2024 AUGUST

- Gained hands-on experience in frontend (Angular, Antd, Tailwind CSS) and backend (Java Springboot, SQL, APIs).
- Conducted Selenium regression testing, UAT, and debugged frontend, backend, and database issues.
- Worked in sprint-based development, used Jenkins for deployment, and managed Git version control
- Coordinated with UI/UX designers, Business Units, and mobile IT teams to ensure seamless development and integration.
- Led new staff onboarding, wrote technical documentation & testing guidelines, and ensured smooth knowledge transfer.
- Enhanced analytical thinking, teamwork, and communication of project updates.

QUAC CODING TECHNOLOGY - COURSE CONTENT DESIGNER & TEACHER

2022 - 2023

- Designed a comprehensive 6-months course for Scratch Programming
- Crafted interactive Scratch projects and detailed lesson slides
- Taught over 50 children aged 8-18 with essential coding skills in a physical boot camp

EVENT CREW

2022

- National Security Asia 2022
- iMakan Food Expo 2022
- ASEAN M&E Show 2022
 - Ensured the safety of the venue by meticulously inspecting participants as an Entrance Checker
 - Collaborated closely with venue staff, supervisor and security personnel
 - Provided customer service to all visitors.
 - Executed strict regulations to ensure a formal environment.
 - Oversaw adherence to hygiene measures among visitors

SKILLS PROFILE

Teamwork and Leadership:

- Collaborated with Quac Coding to design a customized coding course for students aged 10-18.
- Worked in cross-functional teams at iFAST Global Hub AI, coordinating with UI/UX designers, Business Units, and mobile IT teams.
- Led new staff onboarding, guiding them in setting up code environments and regression testing.

Communication Skills:

- Effectively communicated technical updates and project progress to stakeholders and team members.
- Developed clear documentation and testing guidelines for knowledge transfer at iFAST.
- Strong written and verbal communication, demonstrated through reports, presentations, and team discussions.

Time Management:

- Balanced a full-time Computer Science degree while excelling as a Course Designer & Coding Teacher at Quac Coding.
- Managed multiple projects at iFAST, including UI/UX improvements, API integrations, and deployment tasks.
- Effectively handled sprint development cycles and met project deadlines in a fast-paced environment.

Problem Solving:

- Debugged and optimized frontend, backend, and database issues at iFAST.
- Resolved language barriers when assisting clients at events, ensuring smooth interactions.
- Quickly adapted to new technologies, frameworks, and project requirements in an agile work environment.

ACHIEVEMENT

2024

- SAS Curiosity Cup 2024 - Participant
- Google Solution Challenges - Participant
- GDSC KitaHack 2024 - Best Impact Awards

2023

- CodeNnection Coding Competition - Top 25 Finalists

2021

- SASMO - Silver Award
- Kangaroo Math Competition - Silver Award
- XMUM Cup Physics Competition - Commendation

2020

- Chen Jing-Run's Cup Mathematics Competition - Distinction
- SASMO - Silver Award

2019

- Chen Jing-Run's Cup Mathematics Competition - Distinction
- ICAS Mathematics - High Distinction
- Australian Mathematics Competition - Intermediate Division

REFERENCE

Name: Keaton Ooi

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Quac Coding Founder

Name: Zailan Arabee Bin Abdul Salam

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APU Senior Lecturer