

# LIM JIAN HONG

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## EDUCATION

### National University of Singapore

Aug 2022 - Present

Bachelor of Computing in Computer Science

- CGPA: 4.63 / 5.00
- ASEAN Undergraduate Scholarship
- Relevant course work: Programming Methodologies, Data Structures & Algorithms, Software Engineering, Independent Software Development Project, Introduction to AI and Machine Learning, Introduction to Data Science, Calculus, Linear Algebra, Discrete Structures

### Sunway College

Jan 2020 - Jun 2021

Cambridge A-Level

- Results: 4A\* / 4A\*
- Jeffery Cheah Entrance Scholarship (Full Scholarship)
- Relevant course work: Further Pure Mathematics, Further Mechanics, Further Statistics, Economics, Physics

## WORK EXPERIENCE

### Vibefam (Singapore), *Freelance Software Engineer*

Sep 2023 - Present

- Rectified intricate bugs within business logic, ensuring smoother operations for over 30 studios and friendlier user experience.
- Cooperated in timely implementation of an exploitation patch, enhancing system reliability for over 30 partner studios throughout Singapore.

## TECHNICAL SKILLS

- Programming Languages: JavaScript, Typescript, Java, Python, C, Dart, HTML & CSS
- Framework & Libraries: React, Next.js, Flutter, Bootstrap, Tailwind CSS, Jest, NumPy
- Technical Tools: Firebase, Vercel, Git, Android Studio, Jupyter Notebook

## PROJECTS

### FinForce (Personal Finance Management App), *Orbital 2023, Artemis Level*

May 2023 - Aug 2023

- Developed a unified platform for students and professionals, integrating stock tracking, open banking API, and comprehensive financial tools; includes 8 different features, enhancing user financial management and insights.
- Implemented Agile methodologies, leading to a 30% acceleration in project delivery times and established a CI/CD pipeline facilitating bi-weekly releases.
- Conducted rigorous testing using Jest, identifying and resolving over 30 bugs; further validated software quality through hands-on user simulations with a group of 5 beta testers.

## COMPETITIONS

### NUS SDS Datathon 2024, *University Wide*

Jan 2024

- Proposed two machine learning models to predict the likelihood of a customer buying an insurance from Singlife in the next 3 months. In addition, our team provided unique business insights for Singlife to further leverage on.

### i-UM Disrupt Hackathon, *University Wide*

May 2022

- Showcased a smart parking concept, leveraging Wi-Fi trilateration to ensure optimal space assignment and facilitate seamless navigation within carparks, especially during high-demand peak hours; short-listed among top 10% of entries.

### InvestHack Virtual Hackathon, *Public, Nationwide*

Dec 2020

- Proposed a trading mechanism with Python's Pandas library, inspired by Tinder, it pairs investors based on stock preferences and professional interests using a boosted tree classifier; tested on a dataset of over 5,000 simulated profiles.

## LEADERSHIP EXPERIENCE

### College of Alice and Peter Tan, *ACE Migrants, Admin & Finance Exco*

Aug 2022 - May 2023

- Played a pivotal role in organizing and overseeing 10 events, ensuring smooth operations and effective communication.
- Oversaw finances and managed a budget of \$4000, ensuring cost savings through efficient allocation.
- Spearheaded initiatives aimed at supporting and uplifting migrants, showcasing commitments to social responsibility and community engagement, benefiting over 100 migrant brothers.