

JAVIER LIM JUN YI

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EXPERIENCE

Software Engineering Intern | CloudJoi

May 2025 - Aug 2025

NUS Overseas College Malaysia Batch 5

- CloudJoi is a digital platform startup based in Kuala Lumpur dedicated to making art accessible for all
- React & Laravel Full-Stack Development

Co-Founder | Chimera

Jan 2025 - Present

- Chimera turns your morning routine into a gamified fire-building challenge fueled by community support and daily consistency, built with React Native and Django. Learn more: chimeraapp.net
- Early-stage startup: Under NES Startup Membership, applying for RC4 Pitching Competition, Venture Initiation Programme, The Furnace, BLK71

Teaching Assistant | NUS School of Computing

Jul 2024 - Present

- CS1010X: Updated deprecated content from Python 3.7 to 3.13, translating code from Cocos to Pygame and utilising GIMPS to rectify faulty sRGB profiles, removing problematic metadata. Contest Head IC.
- SWS3001: While unmatriculated, handpicked to teach Y3 International students computational thinking

Software Engineering Intern | Strive Education (YC S21)

Jan 2024 - Jun 2024

- YC S21-backed, Forbes 30 Under 30 Asia 2024-recognised EdTech startup
- Developed interactive simulations with p5.js and Pygame illustrating Grade 8 math concepts for 10k students
- Leveraged TinaCMS to integrate content management with modern development practices
- Developed modular and reusable codebases for educational games, incorporating OOP, FP, event-driven programming, and real-time user interaction handling.
- Designed and executed structured Python programming workshops across multiple international schools

AI Researcher | A*Star I2R

Nov 2020 - Jan 2021

- Research attachment at Singapore's leading research organisation to enhance PCR result detection
- Extracted and analysed datasets via Matplotlib, NumPy, & pandas, and used EMA to determine sigmoidal curves from plot points and establish thresholds
- Produced numerous algorithms with perfect detection accuracy, tested with evaluation datasets

PROJECTS

Chimera Landing Page

React + Vite website to showcase Chimera and collect email addresses from interested beta testers. Hosted with Vercel + Supabase database

HalloweenQueue-telegram

Collaborating with various Residential Colleges to develop the HalloweenBot, a CRUD queue management system for Halloween-themed events across NUS RCs, impacting over 3000 students.

2048 AI Solver

Developed a 2048 solver achieving >90% win rate by leveraging Minimax algorithm optimised with Alpha-Beta Pruning to evaluate and select the best moves in the sliding puzzle game. Publishing onto React + Vite website

code4.ny

Co-founded code4.ny, a web app streamlining crisis attendance-taking at NYJC. Led end-to-end software engineering—from UI design to database architecture—to deliver an MVP for improved school safety.

LEADERSHIP/ACTIVITIES

Finance Executive | RC4 Entrepreneurship Club

Lead Software Developer | RC4 College Students' Committee Tech Division

Head | RC4Floorball

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C/C++, MIPS/ASM, HTML/CSS, SQL, PHP

Frameworks: Flask, React, React Native, Django, Express.js, Laravel

Tools: GCP, Git, Docker, GIMPS, MongoDB, PostgreSQL, Premiere Pro, Photoshop, Supabase, Figma

Libraries: Matplotlib, NumPy, pandas, Pygame, Cocos, PIM, Vite

EDUCATION

National University of Singapore

Expected Grad: 2028

Computer Science with Second Major in Data Analytics

GPA: 4.83 (First Class Honours)

REFERENCES (AVAILABLE UPON REQUEST)

- Prof. Tan Sun Teck: President of International Olympiad in Informatics, A/Prof @ School of Computing, NUS
- Prof. Tan Tiow Seng: Associate Professor (CS1010X) @ School Of Computing, NUS
- Prof. Leong Hon Wai: Honourary Fellow (SWS3001) @ School Of Computing, NUS
- Amith Kamath: Content Lead @ Strive Math