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EDUCATION

Singapore Institute of Technology & DigiPen Institute of Technology
Bachelor's of Science, Computer Science in Real-Time Interactive Simulation (RTIS)

Aug 2022 — Apr 2026
Singapore & Redmond, WA

The Wharton School — University of Pennsylvania
Executive Education, Product Management and Strategy

Aug 2025 — Oct 2025
Philadelphia, PA (Remote from Singapore)

WORK EXPERIENCE

Uber Technologies, Inc.

May 2024 — Present
Singapore (Remote)

AI Solutions Engineer

- Played God with tiny molecules, making them dance to uncover the secrets of the universe
- Convinced high-performance computers to work overtime without unions, reducing simulation time by 50%
- Wowed a room full of nerds with pretty pictures of invisible things and imaginary findings

GovTech Singapore

Dec 2023 — Mar 2024
Singapore

AI Engineer Intern

- Taught robots to predict when (and how much!) humans will empty their wallets at the doctor's office
- Developed HIPAA-compliant digital signatures, because doctors' handwriting wasn't illegible enough already
- Turned spaghetti code into a gourmet dish, making other interns drool with envy

GovTech Singapore

Dec 2023 — Mar 2024
Singapore

Full-Stack Software Engineer Intern

- Scaled user base from 10 to 2000+, accidentally becoming a small wealthy nation in the process
- Crafted Bash scripts so clever they occasionally made other engineers weep with joy
- Automated support responses, reducing human interaction to a level that would make introverts proud
- Built a documentation site that actually got read, breaking the ancient RTFM curse

Stealth Startup (Fintech)

Dec 2023 — Mar 2024
San Francisco, CA

Software Engineer Intern

- Developed a cross-platform mobile app that turned every user into a potential paparazzi
- Led a security overhaul, heroically saving the company from the menace of "password123"

PROJECTS

NeuroTune | Unity, C#, AI, Machine Learning, HCI

[Steam](#) | [Research Paper](#) | [GitHub](#) | [Demo](#)

- Pitched to and adopted by Statespace (creators of [AimLabs](#)) as Adaptive Tasks; integrated in September 2024, reaching a global player base of **40M+ users**.
- Developed NeuroTune, an AI-powered FPS aim trainer in Unity, C# that adapts target size, spawn, and timing in real-time based on player performance to deliver personalized training in a 3D environment.

LEADERSHIP

Capture The Flag Competitions

Jan 2021 — Present

- Founder of Les Amateurs ([amateurs.team](#)), currently ranked #4 US, #33 global on CTFTime (2023: #4 US, #42 global)
- Organized AmateursCTF 2023 and 2024, with 1000+ teams solving at least one challenge and \$2000+ in cash prizes
 - Scaled infrastructure using GCP, Digital Ocean with Kubernetes and Docker; deployed custom software on fly.io
- Qualified for DEFCON CTF 32 and CSAW CTF 2023, two of the most prestigious cybersecurity competitions globally

SKILLS

- Programming Languages:** JavaScript, Python, C/C++, HTML/CSS, Java, Bash, R, Flutter, Dart
- Technologies:** React, Astro, Svelte, Tailwind CSS, Git, UNIX, Docker, Caddy, NGINX, Google Cloud Platform