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EDUCATION

Singapore Institute of Technology & DigiPen Institute of Technology	Aug 2022 — Apr 2026
Bachelor's of Science, Computer Science in Real-Time Interactive Simulation (RTIS)	Singapore & Redmond, WA
The Wharton School — University of Pennsylvania	Aug 2025 — Oct 2025
Executive Education, Product Management and Strategy	Philadelphia, PA (Remote from Singapore)

WORK EXPERIENCE

Uber Technologies, Inc.	May 2024 — Present
AI Solutions Engineer	<i>Singapore (Remote)</i>
<ul style="list-style-type: none">Played God with tiny molecules, making them dance to uncover the secrets of the universeConvinced 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
AI Engineer Intern	<i>Singapore</i>
<ul style="list-style-type: none">Taught robots to predict when (and how much!) humans will empty their wallets at the doctor's officeDeveloped HIPAA-compliant digital signatures, because doctors' handwriting wasn't illegible enough alreadyTurned spaghetti code into a gourmet dish, making other interns drool with envy	
GovTech Singapore	Dec 2023 — Mar 2024
Full-Stack Software Engineer Intern	<i>Singapore</i>
<ul style="list-style-type: none">Scaled user base from 10 to 2000+, accidentally becoming a small wealthy nation in the processCrafted Bash scripts so clever they occasionally made other engineers weep with joyAutomated support responses, reducing human interaction to a level that would make introverts proudBuilt a documentation site that actually got read, breaking the ancient RTFM curse	
Stealth Startup (Fintech)	Dec 2023 — Mar 2024
Software Engineer Intern	<i>San Francisco, CA</i>
<ul style="list-style-type: none">Developed a cross-platform mobile app that turned every user into a potential paparazziLed a security overhaul, heroically saving the company from the menace of "password123"	

PROJECTS

Co-developer , NeuroTune (hyperschedule.io)	Nov 2023 — Present
<ul style="list-style-type: none">Maintain open-source scheduler used by 7000+ users at the Claremont Consortium with TypeScript, React and MongoDB<ul style="list-style-type: none">Manage PR reviews, bug fixes, and coordinate with college for releasing scheduling data and over \$1500 of yearly fundingEnsure 99.99% uptime during peak loads of 1M daily requests during course registration through redundant servers	

LEADERSHIP

Capture The Flag Competitions	Jan 2021 — Present
<ul style="list-style-type: none">Founder of Les Amateurs (amateurs.team), currently ranked #4 US, #33 global on CTFTime (2023: #4 US, #42 global)<ul style="list-style-type: none">Managed infrastructure using GCP, Digital Ocean with Kubernetes and Docker; deployed custom software on fly.ioOrganized AmateursCTF 2023 and 2024, with 1000+ teams solving at least one challenge and \$2000+ in cash prizes<ul style="list-style-type: none">Scaled infrastructure using GCP, Digital Ocean with Kubernetes and Docker; deployed custom software on fly.ioQualified 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