(Hans) ONG You Yang

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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   *Singapore (Remote)*

- 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
AI Engineer Intern   *Singapore*

- 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
Full-Stack Software Engineer Intern   *Singapore*

- 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
Software Engineer Intern   *San Francisco, CA*

- 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

Co-developer, NeuroTune (hyperschedule.io)   Nov 2023 — Present

- Maintain open-source scheduler used by 7000+ users at the Claremont Consortium with TypeScript, React and MongoDB
  - ‣ Manage PR reviews, bug fixes, and coordinate with college for releasing scheduling data and over $1500 of yearly funding
- Ensure 99.99% uptime during peak loads of 1M daily requests during course registration through redundant servers

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