Jack Xu

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EDUCATION

Harvey Mudd College   Claremont, CA
Bachelor's of Science, Computer Science and Mathematics   *Aug 2023 — May 2027*
- Cumulative GPA: 4.0/4.0 | Dean's List, Harvey S. Mudd Merit Scholarship, National Merit Scholarship
- Relevant Coursework: Data Structures, Program Development, Microprocessors, Abstract Algebra I: Groups and Rings, Linear Algebra, Discrete Mathematics, Multivariable & Single Variable Calculus, Principles and Practice of Comp Sci

WORK EXPERIENCE

Subatomic Shepherd and Caffeine Connoisseur   May 2024 — Present
Microscopic Circus, Schrodinger's University   *Atomville, CA*
- 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

AI Wrangler and Code Ninja   Dec 2023 — Mar 2024
Organic Stupidity Startup   *Silicon Mirage, CA*
- 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

Digital Playground Architect   Jun 2020 — May 2023
Pixels & Profit Interactive   *The Cloud*
- 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

Code Conjurer Intern   Jun 2022 — Aug 2022
Bits & Bytes Consulting   *Silicon Suburb, 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

Maintainer, Hyperschedule (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

EXTRACURRICULAR ACTIVITIES

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