Ian Dalmas

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EDUCATION

Stanford University — Stanford, CA
B.S. in Computer Science, 3.84/4.0 — *Expected Graduation: Jun 2028*
Coursework: Discrete Mathematics, Probability, Data Structures & Algorithms, Computer Systems, Python Programming
Awards: 3rd Place in 8VC Hackathon: Built an on-device Llama-based chatbot that lets users run natural-language searches over their local files.

EXPERIENCE

Amazon — Jun – Sept 2025
Software Development Engineer Intern — *Boston, MA*
- Developed a novel ML service in Python and Java to predict customer purchase intent with 99.99% precision, projected to save mid 7 figures annually by optimizing a queue of manual tasks.
- Selected to demo my ML service to multiple directors (L8) outlining the business impact and limitations of my ML optimization approach.
- Implemented a predictive string processing algorithm in Vue.js and Ruby increasing data entry speed by 50%.

Vimes (PearX S25) — Jan – May 2025
Software Engineering Intern — *Stanford, CA*
- Led development of a Next.js (TypeScript) web application for child welfare case management, increasing active agency users by 150% while maintaining HIPAA and SOC 2 compliance.
- Implemented AWS DynamoDB and Python backend with role-based access control supporting secure and performant data access between 25+ government organizations, allowing government agencies to collaborate on child welfare cases.
- Built core risk assessment and reporting system with auto-filling based on authenticated profiles, enabling caseworkers to efficiently evaluate and document child welfare cases.

Stealth Startup (Consumer Social) — Nov 2024 – Jan 2025
Software Engineering and Product Intern — *Remote*
- Built real-time social features in a consumer mobile app with Google Maps SDK and Firebase for location-based venue discovery.
- Conducted 30 user interviews informing prototypes of 5 new features, using Figma for rapid iteration and user testing.

LEADERSHIP

CS106A Section Leader — Sept 2025 – Present
Stanford Computer Science Department — *Stanford, CA*
- Teaching 10 student section for Stanford's intro programming class.
- Responsible for holding office hours, grading assignments and exams, and providing 1 on 1 support to students.

Claude Ambassador — Jan – May 2025
Anthropic — *Stanford, CA*
- Collaborated alongside Anthropic education, product, and developer relations teams as a Stanford ambassador to strategize and implement product growth efforts for Claude.
- Reached out to teachers to help them integrate AI into CS curricula.

TreeHacks Organizer — Oct 2024 – Feb 2025
TreeHacks: Stanford's Premier Hackathon — *Stanford, CA*
- Coordinated and recruited 400+ judges from companies such as Microsoft, Apple, Meta, NVIDIA, and Google.
- Strategically managed $5,000 event budget, designing and implementing community-building activities that increased engagement among 1,000+ hackathon participants.

PROJECTS

Premier FC | *React, HTML/CSS, Vercel* — July 2024 – Present
- Building a for-profit soccer club in the Dominican Republic: free camp by day, paid league by night.
- Identified land in Dominican Republic for field and building.
- Created financial model and pitch deck and raised $30k in funding.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C/C++, Dart, Swift, Ruby/Rails, HTML/CSS, Java
Frameworks & Libraries: React, Next.js, Vue, shadcn/ui, Node.js, Flutter, SwiftUI, Flask
Databases & Cloud: AWS (Lambda, DynamoDB, CloudWatch, Fargate), Firebase, Supabase, PostgreSQL, Vercel
APIs & SDKs: REST APIs/HTTPS, Google Maps SDK, OpenAI API, Chrome Extensions API, Clerk (Auth)
Developer Tools: Git, GitHub, GitLab, CI/CD, Docker, VS Code, Cursor, PyCharm, Figma, GDB, Valgrind