Andy Do

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EDUCATION

Cornell University   Ithaca, NY
Bachelor of Arts in Computer Science   *Expected Graduation, May 2028*
- **GPA:** 3.76/4.0
- **Relevant Coursework:** Computing in Python, Linear Algebra, Multivariable Calculus, Data Structures and Algorithms, Functional Programming, Discrete Mathematics

EXPERIENCE

Lancaster Lebanon Intermediate Unit 13   Jun 2024 – Aug 2024
Full Stack Software Engineer Intern   *Lancaster, PA*
- Facilitated the delivery of special needs services to **3800+** preschoolers by building 2 full-stack web applications with **ASP.NET Core (C#)**, **HTML**, **JavaScript** and **Bootstrap**
- Managed data for **7000+** parents and caregivers by designing a **SQL** database and implementing backend **CRUD**/business logic for student, guardian, and referral records
- Shipped scheduled software releases by collaborating with **8** teammates via **Git** in **Azure Repos** and tracking sprints within **Azure Boards**

MathWorks   Jul 2024
Job Shadow   *Boston, MA*
- Programmed a reverse-proxy application using **Go** in collaboration with a senior software engineer
- Optimized scheduling and release cadence by interacting with team members in progress-check meetings and delivery reviews to analyze process choice impacts

Wonton Studios   Jun 2024 – Aug 2024
Project Manager   *Lancaster, PA*
- Directed a 5-developer game team by scoping roadmaps, assigning work items/sprints, and managing funding and marketing through weekly stand-ups
- Developed interactive environments and mechanics by programming gameplay in Lua and creating 3D assets in Blender
- Reached **4,000+** players by launching multiple parkour city-builder titles

PROJECTS

SafeStep | *Brown Hacks*   Feb 2026
- Mapped the safest possible routes to destinations by developing a routing service that manipulates the **A*** algorithm
- Identified road hazards like potholes and ice by using **SpringAI** and **OpenRouterAPI** to implement AI agents that analyze crowdsourced imagery
- Organized geographic and hazard data by utilizing **Spring Boot JPA** and **PostgreSQL** to create relational data tables

Spinder | *Big Red Hacks*   Sep 2025
- Generated personalized Spotify playlists by using **Flask** to analyze user listening history and metadata
- Enhanced user engagement by using the Google Gemini API to develop personalized song suggestions

TECHNICAL SKILLS

Languages: Java, Python, C#, C, JavaScript, TypeScript, SQL, HTML, CSS, OCaml
Frameworks: React, Node.js, NextJS, SQLAlchemy, JPA, Spring Boot, Spring AI, tRPC, Bootstrap, Flask, ASP.NET Core
Developer Tools: Git, Github, Docker, Open Router, VS Code, IntelliJ, Cursor, AWS, ShadCN UI, Neon Database, E2B Sandbox, Bruno
Libraries: Pandas, NumPy, Matplotlib