

Cassidy Diamond

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Computer Science
Dual Degree in Mathematics
GPA: 3.51/4.0

May 2025

Relevant Coursework: Introduction to Computer Systems, Introduction to Cryptography, Principles of Real Analysis II, Data Structures and Algorithms, Natural Language Processing, Principles of Functional Programming, Principles of Imperative Computation, Combinatorics

Skills

Programming: Python, Django, React, HTML/CSS/Javascript, C, PHP, Linux, Excel
Systems Administration: AWS, Nginx, Docker, SMTP servers, DNS routing
Soft Skills: Proficient in French, Communication, Leadership, Ham Radio (KJ7ORR)

Work Experience

Diderot Full Stack Developer

May 2023-Aug 2024

- Received \$550,000 in funding from NSF, chosen as project Entrepreneurial Lead
- Created a virtual AI teaching assistant for university courses using generative large language models
- Managed cloud infrastructure for web servers, API endpoints, and load balancers
- Supported hundreds of students using project and thousands of daily API hits
- Received and worked upon valuable feedback from our Y Combinator application and discussions with Kleiner Perkins VC
- OpenAI, Typescript/React, Django, AWS, Docker

WRCT Chief Engineer

May 2022-Now

- Rebuilt 20+-year-old Perl music database from scratch
- Reconstructed and containerized legacy programs with Docker
- Created scripts to automate radio tasks
- Documented projects and codebase for future engineers
- Collaborated with local community members
- Presented radio station infrastructure to engineers at Google Pittsburgh
- Linux, Bash, Docker, Nginx, SQL, PHP, Python, Perl

Pin Up Posters Courier Collective

October 2021-November 2022

- Delivered posters/handbills as a bike messenger
- Created and maintain web application to replace Google Suite
- Discussed and revised web app after multiple meetings with team
- Python, Django, sqlite stack, web design, Mapbox GL JS

Personal Projects

I'm always working on things – please visit [my website](#) to see a fuller list!