Cassidy Diamond

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Education

Carnegie Mellon University, Pittsburgh, PA   *May 2025*
Bachelor of Science in Computer Science
Dual Degree in Mathematics
GPA: 3.51/4.0

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

Skills

Programming: Python, Django, React, TypeScript, NodeJS, HTML/CSS, C, PHP, PyTorch, TensorFlow, OpenAI/genAI tools, Java, Linux, Git
Systems Administration: AWS (EC2, RDS, S3, Elastic Beanstalk), Docker, Nginx, Postgres/SQL, SMTP servers, DNS routing, Grafana, Sentry
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 webservers, 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, Postgres, Docker, Sentry

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 selected list!