Dylan Finn

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EDUCATION
Make School, San Francisco, CA
B.S. Applied Computer Science (Aug 2020)

HIGHLIGHTS
- Attended 6+ hackathons (first place for most improvement and best game at an MLH and Splunk sponsored event), 5 years programming experience with ambitious personal and professional projects
- Self-taught and formally educated in multiple areas of computer science, constantly working on personal projects both out of passion and for the sake of learning

TECHNICAL SKILLS SUMMARY
Python, Golang, C++, Javascript, Solidity, Bash, CSS, HTML, Typescript, JSX, Full Stack Web Development (concentration in Backend), Docker, NodeJs, Express Js, Flask, Django, Go Echo, Pandas, NumPy, SciPy, Seaborn, RESTful and Microservice architecture, Agile Development, Nginx, Data Analysis, Solidity, dApp security, cybersecurity

TECHNICAL EXPERIENCE
Make School   San Francisco, California
Curriculum Developer and Teaching Assistant   August 2019 Present
- Autonomously create curriculum, ranging from smaller segments to full lessons surrounding a topic, such as database modelling, web protocols, and advanced web application security.
- Make design decisions and decided what content to cover or omit given practical constraints, revise after review
- Curriculum written during my employment is still utilized today over 3 separate courses

Leahy Center for Digital Investigation   Burlington, Vermont
Technical Intern   Sep 2017 - Jan 2018
- Provided analysis while also learning how clientele requests are managed and executed (clientele included the FBI, Secret Service)
- Produced research content for professors/staff/faculty
- 120 total hours, completed 2 research assignments surrounding cyber-security statistical analysis beyond what was required

Same Community Campus Network   Burlington, Vermont
Representative   Sep 2017- July 2018
- Same Community Campus network is a nationwide initiative started by a small group of students at Champlain college. We map out the business ecosystem and hope to connect people who can help each other with their job through technology.
- Contacted and met with business leaders to collect data and use that data to connect them with other companies working for the same clientele to optimize the production ecosystem

SOFTWARE PROJECTS
CodeSnatch
- Built a dynamic website using agile development, converts pictures of executable code to text and runs it
- Containerized using Docker and Compose, with an Nginx web server reverse proxy/load balancer
- Handled devops and deployed live at codesnatch.io
- Still in development and currently a free utility

Platform45/Yoke
- Worked with a software company to produce a product that lets small business owners have confidence in their insurance
- Went through full development cycle as part of a 4 man team
- Personally owned environmental setup, security concerns, and backend architecture

War Room
- Socket App to let non-programmers scrape data and create live charts from anywhere on the web
- Python Flask, Golange Echo, Javascript, Jinga2, special considerations to scaling and modularity given Flask's weaknesses
- Still in development

Salvo
- High performance asynchronous port scanner in Golang
- 1200 ports/s (+/- depending on hardware), detection avoidance, automatic adjustment to host hardware memory limit

We All Rise
- Decentralized hosting service smart contract proof of concept, with rock solid security practices for Etherium dApps
- Internet designed for liberty, privacy, and fair pricing