



TYLER ALAMO PORT

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WORK AND EXPERIENCE

Tinder Inc., *Operations Intern* *June 2018 - August 2018*

- Worked to automate monitoring tasks by programmatically defining service state requirements.
- Used and extended Grafana and Prometheus to automate status page generation.

Caltech, *Lecturer and Teaching Assistant in Computer Science* *April 2018 - June 2018*

- Developed and updated course material for CS179 GPU Programming.
- Lectured, held office hours, and graded assignments for the course.

NASA Jet Propulsion Lab, *Year Round Intern* *January 2018 - June 2018*

- Worked on trajectory finding and visualization for the Europa Lander mission.

DoubleVerify Inc., *Bot Fraud Analyst Intern* *June 2015 - September 2015*

- Infected machines with malware and analyzed the collected network traffic for evidence of botnet based ad fraud.
- Researched botnet forums for new developments in the field, especially the prevalence of voluntary botnets known as traffic exchanges, and youtube based revenue generation.

KarmaFleet, *Software Developer and Systems Administrator* *January 2015 - February 2016*

- Wrote a web application in flask(python) for recruitment, customer relations management, human resources, and internal affairs. Included automated testing and continuous integration.
- Maintained multiple applications for VOIP, market management, expenses, and claims.
- Containerized application development and deployment.
- Linux server setup, administration, and maintenance.

GLO Gaming, *Office IT* *September 2012 - September 2014*

- Built office storage server and network infrastructure including JUNOS configuration.
- Helped develop Salesforce integrations.
- Built and maintained openVPN and NAS.

EDUCATION

California Inst. of Technology [Caltech], *B.S. in CS Expected* *September 2015 - June 2020*

- Studied Computer Science with a focus on GPU Programming for parallelizing and accelerating algorithms.

SKILLS

- Languages: **Python**, C/C++, CUDA/OpenCL, Haskell, VHDL, Ocaml, Javascript, SQL, Rust, Golang, Java, Mathematica.
- Platforms/Technology: FPGA (Intel, Xilinx), Linux (Gentoo, Arch, RHEL, Debian), MacOS, BSD, Windows, Git, Apache, Nginx.
- Specialties: GPU programming, functional programming, graphics, relational database design and management, graph theory, systems administration, dev ops.