Tyler Alamo Port

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Education

California Inst. of Technology [Caltech], *B.S. in CS Expected, 3.0/4.0 GPA*   *Sep. 2015 - Jun. 2020*
- Studied Computer Science with a focus on GPU Programming for parallelizing and accelerating algorithms.

Work and Experience

Tinder Inc., *Operations Intern*   *June 2018 - August 2018*
- Worked to automate monitoring tasks by programmatically defining service state requirements

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*   *Jan 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 traffc for evidence of bot net based ad fraud.
- Researched bot net forums for new developments in the field, especically the prevalence of voluntary bot nets known as traffic exchanges, and youtube based revenue generation.

KarmaFleet, *Software Developer and Systems Administrator*   *January 2015 - Febuary 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

Skills

- Lanugages: **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 managagement, graph theory, systems administration, dev ops.