
Ty Giacalone

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Portfolio: <http://ty.giacalone.me>

Education:

UCLA – Major: Computer Science – Senior, Graduation Spring 2016

GPA: 3.075

Experience:**ViaSat**

Software Engineer Intern

Summer 2015 | Carlsbad, CA

- Full stack web development with nodejs, mongodb, backbone, express, and d3js to create a standalone network visualization web application which generated customer purchase requests.
- Integrated network visualization application into existing Viasat consumer products while enabling and implementing critical new functionality which was previously not possible.
- Created customer facing icon sets and graphics for network visualization app in Adobe Illustrator, prototyped website design and user flow in Balsamiq.

Symantec Corporation

Lead Software Engineer Intern

Summer 2014 | Los Angeles, CA

- Big data analytics on Symantec Data Analytics Platform, the largest security metadata store in the world (3 trillion+ rows). Generated generic malware detection signatures and enabled cloudless malware detection functionality.
- Communicated with executives and employees to create educational “Executive Speaker Series” events. Handled all logistics for multiple intern and employee events with 40+ attendees.
- Created internal portal for monitoring development and status of malware detection signatures.

Crash and Burn Solutions

Software Engineer Intern

Summer 2013 | Salinas, CA

- Member of competition team for the NASA Unmanned Aircraft Systems Challenge.
- Developed UAV autopilot, collision-avoidance, and GPS spoofing detection.
- Optimized antenna tracking module of on-board GPS navigation software for UAVs.

Side Projects:

- Developed Protein Per Calorie single page web app for identifying protein content ratios in food
- Developed UAV HUD and UAV tracking software for formation flying of drones
- Developed Swipes For Advice Android app (Tinder for trading dining hall swipes for mentorship)
- Developed Android soundboard app for professional YouTuber

Skills:

- c/c++, javascript, html, css, java, python, bash, sql, nodejs, express, backbone, mongodb, agile, scrum, jira, android, android studio, visual studio, IntelliJ IDEs, eclipse, assembly, linux, adobe illustrator/indesign