Ty Giacalone

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Education:
UCLA
Major: Computer Science
Graduation: July 2016
GPA: 3.075

Experience:

ViaSat
Software Engineer Intern
Summer 2015 | Carlsbad, CA
- Created network visualization application which was sold to customers. Built from initial design phase to launch with full stack nodejs with mongodb, backbone, express, d3js on team with 2 other interns.
- Integrated the network visualization app into existing ViaSat consumer products to enable critical customer requested features such as automatic detection of network devices, visual alerts, etc.
- Designed icon sets and graphics used in consumer version of network visualization using Adobe Illustrator, prototyped application 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, largest security metadata store in the world.
- Generated generic malware detection signatures and enabled cloudless malware detection.
- Collaborated with executives and employees to create educational "Executive Speaker Series" events.
- Managed $1,000+ event budget, handled logistics and lead intern events with 50+ attendees.

Crash and Burn Solutions
Software Engineer Intern
Summer 2013 | Monterey, 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:
Swipes For Advice (Android app): Tinder for trading dining hall swipes for mentorship
- Browse, match, and chat with local profiles created from LinkedIn data from your Android phone.
Protein Per Calorie (Nodejs SPA): Nodejs single page application
- Find nutrition data related to a food's satiety index
- Protein Per Calorie single page web app with nodejs for identifying protein content ratios in food
- UAV HUD and UAV tracking software for formation flying of drones
- Android soundboard app for professional YouTuber

Skills:
- Competency: c/c++, javascript, nodejs, express, backbone, mongodb, html/css, illustrator/indesign
- Exposure: java, android, sql, php, python, bash, agile