

Luke O'Malley

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I'm seeking a position where I can apply my engineering, design, and leadership skills to develop products that define the future. I love designing and debugging complex systems, whether they are large scale computing, embedded, mechanical, or people based.

Experience

Palantir Technologies

Quality Engineering Lead, 9/2015 – Present

Infrastructure Quality Engineer, 9/2014 – 9/2015

- Working on infrastructure to make it easier for others to validate and test their work, including hourly deploys to staging stacks and experimenting with Docker for local testing.
- Led a team to revamp Quality Engineering (QE) hiring practices. Defined hiring profiles, created and executed a sourcing strategy, attended on-campus events, and trained interviewers.
- Managed the 2015 QE intern program. Worked with ~40 interns, their mentors, and their teams to place and evaluate them. Led a team to develop an onboarding program for our interns and summer new hires.
- Led a team with members in London, New York, Washington D.C., and Palo Alto, to develop a Cassandra runbook. The runbook reduced the guesswork involved for our Forward Deployed Engineers to spec hardware, set up infrastructure, and recover from node and datacenter failure.

ELL Operations

Consultant, 5/2014 – 8/2014

- Engaged to create an iOS application to collect data on the last 100m of beer delivery (from truck to cellar) and rode with deliverymen throughout the Boston area to observe, capture feedback, and evaluate a new hand-truck for delivering their product.

Massachusetts Institute of Technology

Bachelor of Science in Electrical Engineering & Computer Science, 9/2010 – 5/2014

- Proposed the concept for a therapeutic robot named Ollie and worked with a team of 20 other students over 3 months to design and fabricate a prototype. I was responsible for the circuitry and software that drove Ollie and presented our work to a 2000 person audience. [IEEE spectrum wrote about our work and our presentation is on the 2.009 website.](#)
- I participated in the 2-year [Gordon Engineering Leadership Program](#), leading the ~150 person program my senior year. My team organized 3 weekly lab sessions to expose first year students to leadership theory and practice.
- The rest of my MIT story is on my [MIT timeline](#).

Silhouette Technologies

Founder, 1/2012 – 1/2013

- Founded a company that researched Android security and ported LXC to Android, allowing application isolation and sandboxing.
- Documented work for third-party review, worked on the bootloader, and wrote grant applications.

Engineering Research and Consulting, Inc. at Edwards Air Force Base

Intern, 5/2008 – 8/2011 (summers)

- After my sophomore year of high school, and continuing through to my sophomore year of college, I spent my summers researching [Hall-effect thrusters](#) at the Air Force Research Laboratory at Edwards Air Force Base. I collected and analyzed data on the performance of thrusters and various fuel types, modeled thruster life-spans, and fabricated custom probes and testing circuitry.

Skills

Languages: Python, Java, C, Bash, 8080 Assembly, JS, HTML/CSS, Objective C

Tech: Docker, Nagios, PostgreSQL, Elastic Search, Cassandra, Errbot

Graphic Design: Adobe Creative Suite, Balsamiq, typography

Machine Shop: Autodesk, CadSoft EAGLE, laser cutter, woodshop, lathe, mill, waterjet, powder coating, MiG and oxy-fuel welding, automotive airbrushing, surface mount soldering