

Robert Donald Reinold

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Summary

I am an ambitious and personable software engineer, fueled by a strong entrepreneurial spirit, as well as a car enthusiast, a drummer, and an energetic uncle. My current focus is on building software that shows true craftsmanship and my ultimate career goal is to create software that leaves a lasting impact on the world.

Education

University of Massachusetts Amherst, Class of 2014

B.S.: Electrical Engineering with focus on Embedded Systems, Minor in Computer Science

Programming Languages

Fluent: Java, JavaScript, C

Conversational: Ruby, Swift, Objective-C

Experience

Software Engineer at BAE Systems Inc.

Burlington, MA

July 2014 – August 2015

- Developed software subsystems for a cutting-edge, performance-oriented Java application
- Operated with high level of autonomy; developed reputation for “Getting It Done”
- Developed and led the technical training sessions for all new hires and interns
- Designed a highly-extensible, multi-threaded, service-oriented architecture while striking a balance between the needs of the customer and the engineering team
- Led team to develop version 2.0 of a multi-threaded, physics-based subsystem; achieved 40% speedup while reducing memory footprint by 50%
- Constantly improved software craftsmanship by exercising best practices, applying design patterns, emphasizing code readability, writing thorough tests, and providing concise documentation
- Interviewed engineering candidates and formally mentored a junior engineer
- Became well-versed in Subversion and Git for collaborative and parallel development

Founder, CEO at iPhone Repair New England

Amherst, MA

March 2011 – May 2014

- I taught myself how to perform repairs on iPhones; offered service to friends, and then to new customers
- I launched a repair service company that grew to become the primary service on campus
- Developed a franchise model for college campuses across New England; opened second location in 2012
- Upon graduation, I handed control to my business partner who pivoted the business into the successful and sustainable business, BuyBackHub.com

Projects

Creator of Vapr Video App

November 2013 – June 2014

- Captured and fused three iOS sensor streams with video to create an immersive video playback experience
- The iOS App won 1st Place: “Best In Show” at RAMP’s re:Think Video Hackathon

Software Engineer Lead at The Wyss Institute at Harvard University

June 2013 – July 2014

- Acquired private funding to design and build a chemical-handling robot
- Reached sponsor’s accuracy and precision requirements in team of four cross-disciplinary engineers
- Designed and built the hardware and software to control the robot with a single-board Linux computer, nine motors, a Node.js web server, an interactive web page, and two-way asynchronous communication