Stephen Grinich

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Education

Carleton College – Northfield, MN   *Jun. 2016*
- Bachelors of Arts, Computer Science

Experience

Full Stack Software Engineer, Carena, Inc. – Seattle, WA   *Aug. 2016 – Present*
- Built components and data services for Carena's internal and external facing web applications using AngularJS and a variety of modern web packages.
- Implemented unit testing standardization within Carena's application framework.
- Contributed ideas and support to the user-experience, product management and engineering teams.
- Provided routine code reviews for team members.

Mobile App Developer, Carleton College – Northfield, MN   *Jun. 2014 – Dec. 2016*
- Built, designed and shipped native iOS and Android applications used by thousands of students, faculty, and parents during Carleton College's orientation week and throughout academic year as the school's official mobile application.
- Created heart rate monitoring iPad application currently used in a Carleton Psychology Department research study conducted by faculty and students. Collaborated closely with faculty to fulfill specific study needs, overcome limitations of existing software and design interface specifically for research study.

Product Designer, iOS Developer, Product Manager, CaregiverNet – Northfield, MN   *Sep. 2015 – Mar. 2016*
- Led team to build an iOS application that provides users with a centralized platform to communicate with a team of caregivers and find relevant caregiving resources.
- Development included prototype iteration, wire-framing, use-case generation, and usability testing.
- Defined the product through literature research about caregiver stresses and engagement with caregivers.

Software Engineering Intern, Stroll Health – San Francisco, CA   *Summer 2015*
- Developed a web application that encourages patients to follow through with appointments scheduled through Stroll's platform. Built using AngularJS, SendGrid for email automation and Microsoft Azure for automatic deployment.

Software Engineering Intern, AuSIM, Inc. – Mountain View, CA   *Summer 2013*
- Developed an Android application to control AuSIM's existing 3D audio simulation technology from a mobile platform.
- Constructed a loud-speaker array at NASA's Ames Research Center to measure a particular subject's head characteristics.

Scheme Interpreter, Class Project – Northfield, MN   *Fall 2015*
- Implemented a Scheme language interpreter in C that supports most reserved word functionality and primitives.

Technical Skills

- Strong understanding of iOS development. I have experience:
  - Building, shipping and maintaining native iOS applications using Swift, Objective-C and iTunes Connect.
  - Using iOS development tools and libraries such as AutoLayout, Core Bluetooth, SpriteKit and WatchKit.
  - Utilizing third party APIs such as Mixpanel analytics, Google Maps, Slack and Dropbox.
  - Integrating third party code using CocoaPods.
- Experience building web applications using modern web frameworks.
- Understanding of functional programming.
- Proficient in Typescript, Javascript, Python, Swift and Java.
- Experience creating data visualizations using Javascript frameworks, Matplotlib and Jupyter notebooks.

Undergraduate Courses

- Courses covered studies in computability and complexity theory, algorithms, data structures, computational models of cognition, computer hardware organization and architecture, mobile application development, software design, multivariable calculus, probability, rigorous mathematical proof writing, programming language implementation and design, digital circuit design, FPGA programming, macroeconomics, microeconomics, health care economics, boolean algebra and lambda calculus.
- Study abroad in Paris, France, where I became proficient in speaking, reading and writing French.

Other Experiences

Carleton College Varsity Men's Swimming & Diving Team – Northfield, MN   *Sep. 2012 – Feb. 2016*
- Team Captain
- NCAA National Championship Competitor; Carleton record holder; MIAC conference champion

***Director of Outreach,* Carleton Developers Exchange** – Northfield, MN   *Apr. 2015 – Apr. 2016*
- Organized event to share student summer experiences in the tech industry to an all campus audience