

James Little

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Bowdoin College, Brunswick, ME

Major: Computer Science

Relevant Coursework: Data Structures, Algorithms, Introduction to Systems, Mobile Computing, Robotics, Robotic Behavior Independent Study, Principles of Programming Languages, GIS Algorithms, Networks

Honors: Named Sarah and James Bowdoin Scholar for 2015/16 academic years, Gibbons Fellowship Scholar for Summer 2016

Bachelor of Arts, May 2019

GPA 3.8/4.0

Aquincum Institute of Technology, Budapest, Hungary

Relevant Coursework: Applied Cryptography, Computer Vision for Digital Cinema, Computer Graphics, Data Mining, Scalable Systems

Spring 2018

Skills

Programming Languages: Swift, Objective-C, Ruby, Javascript, C++, C, Java, Python, PHP, SQL, HTML5, XML, CSS/SCSS, LaTeX

Software Development:

Full-stack development on **iOS** and **web**. **Agile** development methodology. Test-driven development. Object-oriented paradigms. Database schema design. Multithreading and asynchronous programming. Linux web server administration. REST web application architecture. MVC and MVVM application structure. Experience with large codebases and debugging intricate systems.

Design, user experience, user interface:

Print, web, and mobile user flow. Understanding of **hierarchy, typography, color, and space**. Attention to usability details and adherence to established design standards.

Software Proficiencies & Tools:

Git/Github, Xcode, Vim, Gulp, NPM, Laravel, JQuery, Vagrant, CocoaPods, Parallels, Adobe Creative Suite, Sketch, Slack, JIRA

Work Experience

Stripe, San Francisco, CA

Summer 2018

Software Engineering Intern, Mobile Team

- Added an interface to **Stripe Dashboard for iOS** that shows users a detailed breakdown of their Stripe balance
- Communicated with customers in an **engineering support role**: helped users integrate the Stripe iOS SDK over Github
- Led the app through a **release cycle**: managed QA, led an internal and external marketing push, prepared release materials, communicated with the App Store, and monitored rollout statistics to ensure a smooth launch

Angus for Maine, Brunswick, ME

Fall 2018

Cybersecurity Consultant

- Consulted with the Angus King senate reelection campaign to explore and **find technological vulnerabilities**
- Designed and **sent out phishing emails** to test campaign staffers' awareness of and ability to detect phishing scams

Okta, San Francisco, CA

Summer 2017

Software Engineering Intern, Mobile Team

- Spearheaded a **networking refactor** of a Okta Mobile, an SSO and MDM client iOS app with 20,000 unique users per month. Replaced one networking framework (MKNetworking) with a system designed around AFNetworking. Changed the structure and format of every API request made within the app. This refactor removed 40,000 lines of code and 500+ unused files.
- Completed work on a replacement login package for the app, implementing Touch ID authentication and a UX redesign. Eventually replaced the app's existing login system with the new package. This feature addition was one of the most-requested among Okta Mobile's user base, and will be released on the iOS App Store in September 2017.

RoboCup SPL – Northern Bites (robotic soccer team), Brunswick, ME

Fall 2015—Spring 2018

Team Captain, Development Team Member and Project Lead

- Programmed Aldebaran Nao robots to **play soccer autonomously** as part of a small undergraduate team, helping the team win ninth place in the 2016 Standard Platform League World Cup in Leipzig, Germany
- Developed an addition to the vision system, allowing the robots to **detect the center circle** in the middle of the soccer field.

The Bowdoin Orient (newspaper), Brunswick, ME

Fall 2015—Spring 2019

Digital Director, Web Editor, Layout Editor

- **Singlehandedly redesigned website** with a new WordPress backend and a custom theme to correspond with print redesign.
- **Taught front-end and back-end web development** to a team of five with no prior experience

I can communicate clearly about technical and non-technical subjects, to individuals or to a group, in writing or verbally. I remain organized in a chaotic environment. I am a fast learner, and I won't hesitate to ask questions when confused. I am familiar with Apple hardware and software. I enjoy photography, long-distance running, road biking, podcasts, and indie pop music.