

# Alex Mitchell

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Four years of iOS framework experience yields a rich understanding of the software stack; I am searching to apply this knowledge to roles related to API construction and integration, especially in the services layer.

## EDUCATION

### Grinnell College (Grinnell, IA)

Expected May 2017

*Bachelor of Arts in Computer Science*

- Computer Science GPA: 3.934
- Overall GPA: 3.423

## EXPERIENCE

### Grinnell College AppDev (Grinnell, IA)

Jan 2014 - Present

*Director of Engineering: iOS*

- Manage, organize, and assist student-only team of six iOS engineers creating apps targeting student body
- Prioritize and assign development work for five supported iOS applications with nearly 1,000 daily users
- Collaborate with design team to execute launch of forthcoming application focused on campus publications
- Configure and maintain Ubuntu server providing backend services to production applications and website
- Teach weekly class for future developers on source control, Objective-C engineering, and iOS best practices

### Nest Labs (Palo Alto, CA)

May 2016 - Aug 2016

*Engineering Intern*

- Planned and developed custom implementation of iOS alert view with an intuitive, modular construction API
- Created and integrated build tool designed to quickly load saved app states for reproducing bugs found in QA
- Analyzed, completed, and peer-reviewed bugs and features throughout thermostat section of the Nest iOS app

### Shopwave Ltd. (London, UK)

Sep 2015 - Dec 2015

*Framework Engineering Intern*

- Designed, implemented, and documented Swift SDK for interacting with Shopwave's RESTful Connect API
- Prototyped and optimized mobile stocktaking app exemplifying use of the SDK and the Shopwave ecosystem
- Communicated with server team to identify critical API and documentation issues ahead of the v1.0 release

### Google Inc. (Mountain View, CA)

May 2015 - Aug 2015

*Engineering Practicum Intern: iOS Developer Infrastructure*

- Collaborated to architect and implement a successful prototype of a zero-touch login solution on iOS 9
- Created iOS 8+ app extension to provide modular yet secure first-party authentication for third-party apps
- Produced nearly 4,700 lines of peer reviewed, production quality Objective-C code over twelve weeks

### Grinnell College Student Government (Grinnell, IA)

Aug 2014 - May 2016

*Technical Advisor*

- Collaborated with ITS engineers to prepare and deploy online voting system for school-wide elections
- Set up and maintained Ubuntu server providing free, sandboxed web presences to student groups on campus
- Represented the student body on the selection committee for Chief Technology Officer of the college in 2015

### Grinnell College Computer Science Research (Grinnell, IA)

May 2014 - Aug 2014

*Lead Backend Engineer*

- Implemented Node.js API and administrated relational database for the MIST constructivist learning platform
- Presented Poster (44.1% acceptance rate) and Demo (31.3% acceptance rate) at SIGCSE Symposium 2015

| iOS                 | Backend | Basics     | Soft              | Awards                 | Other  |
|---------------------|---------|------------|-------------------|------------------------|--------|
| Objective-C         | Node.js | Git        | Leadership        | HackMIT 2016           | Racket |
| Swift               | SQL     | Linux/UNIX | Public Speaking   | Unhackathon 2015       | Arabic |
| Xcode Unit Testing  | Haskell | C          | Mediation         | Eagle Scout            | Film   |
| Cocoapods           | Python  | HTML       | Teaching          | ACM ICPC               | SEO    |
| Asynchronous Design | Java    | LaTeX      | Technical Writing | International Thespian | D3.js  |