

## Education

### Middlebury College

GPA 3.75

*B.S. Computer Science, Mathematics***Expected Graduation:** February 2019**Courses of Interest:**

Data Structures, Algorithms, Operating Systems,  
Systems Programming, Calculus III, Differential  
Equations, Linear Algebra, Probability

**Extracurricular Activities:**

- Computer Science Tutor  
*Intro to CS, Data Structures*
- Competitive Programming Team  
*Placed 2<sup>nd</sup> in 2016 ACM ICPC regional qualifier*
- Middlebury C.S. Club  
*Hackathons, game nights, tech talks*
- Intramural Basketball  
*Fall, winter, and spring*
- Independent Projects  
*Fours iOS App & website, personal website*

## Skills

**Technical:**

Java, Swift, JavaScript, Python, HTML, C, PHP,  
SQL, jQuery, Node.js, Express, Angular.js,  
Bootstrap, Django, REST, Apache Maven, Spring  
Boot, Firebase, MongoDB, MySQL, Linux  
Environment

**Other:**

Microsoft Office Suite (*Word, Excel, PowerPoint*)  
Adobe Suite (*Photoshop, Premiere, AE, Illustrator*)

## Projects

Fours – KenKen App (*Swift, JS, HTML, Firebase*)  
Scheduling Web App (*Python, HTML, SQL*)  
Menu Web Scraper (*Python, Django*)  
Tryp - Road Trip App (*Swift, Parse*)  
Spell Checker (*Java*)

To learn more about me, visit [chrisfetterolf.com](http://chrisfetterolf.com)

## Experience

### Software Engineering Intern *Summer 2017*

*Booz Allen Hamilton      Annapolis Junction, MD*

Developed a Chrome extension to detect **fake news** with machine learning. Used **MEAN stack** for web interface, **Java & Elasticsearch** for data processing.

**Accomplishments:**

- Designed and developed entire front-end.  
*HTML & CSS, JavaScript*
- Implemented advanced analytic metrics (Java)  
*Reached 95% predictive accuracy of fake articles*
- 1<sup>st</sup> place in summer intern competition  
*Total of 17 teams, 80+ interns competing*

### Founder

*October 2016 - Present**Fours iOS App**Middlebury, VT*

In my spare time at school I built a KenKen puzzle generating **iOS app**, then published it on the App Store. For more info, visit [www.getfoursapp.com](http://www.getfoursapp.com)

**Accomplishments:**

- Built entire project independently  
*From concept to published app*
- Created landing website to further market app  
*Taught myself web development from scratch*
- Invented algorithm to generate puzzle boards  
*Unique backtracking algorithm using Swift 3*

### Quantitative Analyst

*Summer 2016**ACG Research**San Francisco, CA***Accomplishments:**

- Helped found new analytic software branch
- Verified software accuracy with Excel models
- Built Excel database using relevant market data

### Statistical Programming Intern *Sum. 2015*

*Medivation Inc.**San Francisco, CA***Accomplishments:**

- Built data standard libraries in Excel using VBA
- Wrote database scraper with an Excel macro
- Increased spreadsheet task productivity ~300%