Chris Fetterolf

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chrisfetterolf.com
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Skills

Programming Languages:

Java	*(advanced)*
Swift	*(advanced)*
JavaScript	*(advanced)*
Python	*(proficient)*
C	*(proficient)*
SQL	*(familiar)*

Other:

HTML/CSS, jQuery, Node.js, Express, Bootstrap, Django, REST, Firebase, MongoDB, PostgreSQL, Linux Environment

Projects

Fours iOS App
See *Experience* for description.
Technologies Used:

Swift 3, Xcode, Firebase *(NoSQL)*
HTML/CSS, JavaScript *(jQuery)*

Schedule Optimization App
A web app implementing a custom algorithm that optimally matches group members, then outputs the final schedule.
Technologies Used:

Python, Django, Heroku, PostgreSQL, HTML/CSS, JS

Code samples available upon request. To learn more about me, visit **chrisfetterolf.com**

Education

Middlebury College
GPA **3.8**

B.S. Computer Science, Mathematics

Expected Graduation — February 2019

Achievements — College Scholar, Dean's List (2015, 2016, 2017)

Courses of Interest:

Data Structures, Algorithms, Operating Systems, Systems Programming, Computer Architecture, Multivariable Calculus, Differential Equations, Linear Algebra, Probability

Extracurricular Activities:

Computer Science Tutor — *Intro to CS, Data Structures*
Competitive Programming — *2nd in 2016 ACM ICPC regional qualifier*
Intramural Basketball — *Fall, Winter, and Spring*

Experience

Software Engineering Intern
Booz Allen Hamilton

June 2017 - August 2017
Annapolis Junction, MD

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

Accomplishments:

▷ Designed and developed entire front end using HTML, CSS, and JavaScript
▷ Implemented classification metrics in Java reaching 95% predictive accuracy
▷ Awarded 1st place out of the 17 teams in summer intern competition

Founder
Fours iOS App

October 2016 - Present
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.**

Accomplishments:

▷ Built entire project independently with Swift, from concept to published app
▷ Learned web development from scratch to create landing page for app
▷ Invented algorithm (backtracking variation) to generate random puzzles

Quantitative Analyst
ACG Research

June 2016 - August 2016
San Francisco, CA

I was an integral part of a **four-person team** within ACG. Our goal: develop software to **revolutionize industry-standard data analysis** methods.

Accomplishments:

▷ Conducted market research for business and mobile broadband usage
▷ Built Excel databases used as a data source by software under development.
▷ Developed Excel models to mimic and verify software functionality.