

# FRANCES STEEN

fsteen.github.io

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## EDUCATION

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### Brown University

Sc.B. in Computer Science, with Honors

Overall GPA: 4.0/4.0

May 2015

## EXPERIENCE

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### Brown University

*Design and Analysis of Algorithms Teaching Assistant*

Fall 2014

Providence, RI

- Course covered a range of topics including dynamic programming, graph algorithms, network flow, searching, numerical computing, hashing, and string parsing and matching.
- Held office hours for teaching course material and answering student questions.
- Provided written feedback and grades for students' written homework assignments.

### Google

*Software Engineering Intern*

Summer 2014

Boulder, CO

- Worked on Google's Billing and Payments Team.
- Improved the content and display of existing event reporting technologies.
- Introduced publisher-subscriber message passing into existing event reporting technologies.

### Architecture Technology Corporation

*Contract for Software Engineering*

Summer 2012, Summer 2013

Ithaca, NY

- Implemented producer- and consumer-side security measures for tweet publication and authentication.
- Developed a tool for the automated cloning of virtual machines using the VirtualBox API and CLI.
- Developed Word, Excel, PowerPoint and Outlook add-ins for tracking and storing document metadata across text and image copy and paste operations.

### Brown University

*Introduction to Computer Science Teaching Assistant*

Fall 2012

Providence, RI

- Taught functional programming and algorithm analysis to students unfamiliar with computer science.
- Held lab and office hours for teaching course material and answering student questions.
- Provided written feedback and grades for student programming assignments and written homework.
- Conducted in-person grading sessions for students' projects.

## TECHNICAL STRENGTHS

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### Languages

Java, C, C++, Python, Matlab, HTML/CSS, Scheme

### Tools

Eclipse, SQLite, VirtualBox, L<sup>A</sup>T<sub>E</sub>X, Git

### Subfield Interests

Algorithms, Multiprocessor Programming, Systems, Backend