

FRANCES STEEN

fsteen.github.io

8 Fox Hollow Road ♦ Ithaca, NY 14850

(607) · 339 · 9026 ♦ frances.steen@alumni.brown.edu

EDUCATION

Brown University

May 2015

Sc.B. in Computer Science, with Honors

Overall GPA: 4.0/4.0

EXPERIENCE

Brown University

Fall 2014

Design and Analysis of Algorithms Teaching Assistant

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

Summer 2014

Software Engineering Intern

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

Summer 2012, Summer 2013

Contract for Software Engineering

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

Fall 2012

Introduction to Computer Science Teaching Assistant

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

Languages

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

Tools

Eclipse, SQLite, VirtualBox, L^AT_EX, Git

Subfield Interests

Algorithms, Multiprocessor Programming, Systems, Backend