

Frances A. Steen

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Education

Computer Science Sc.B., Brown University, Class of 2015
Ithaca High School, Class of 2011

College Coursework

GPA: 4.00/4.00

- Intro to Computer Science (I), Intro to Computer Science (II), Discrete Structures and Probability, Computer Systems, Models of Computation, Software Engineering, Probability and Computing, Design and Analysis of Algorithms, Multiprocessor Synchronization, Data Science, Computational Linguistics, Topics in Parallel and Distributed Computing
- Intro to Engineering, Dynamics and Vibrations, Honors Multivariable Calculus, Honors Linear Algebra, 20th Century German Culture (in German), German Literature of Memory (in German), Existentialism, Social Psychology, Fiction I, Poetry I, Pathology to Power (Disability Studies)

Computer Skills

Languages: C, C#, Java, Python, Scala, Racket (Scheme family), OCaml, MATLAB, HTML, Javascript
Software: VirtualBox, SQLite, Mathematica, L^AT_EX, D3

Experience

Google – Boulder, CO

Software Engineering Intern, Summer 2014

- Improved the content and display of existing event reporting technologies
- Introduced publisher-subscriber message passing into existing event reporting technologies

Architecture Technology Corporation – Ithaca, NY

Contract for Software Engineering, Summer 2013

- Developed tool for automatically cloning virtual machines using the VirtualBox API and CLI
- Implemented producer- and consumer-side security measures for tweet publication and authentication

Contract for Software Engineering, Summer 2012

- Developed Word, Excel, PowerPoint and Outlook add-ins for tracking and storing document metadata across text and image copy and paste operations

Brown University – Providence, RI

Dean of the College Tutor, Introduction to Computer Science (I), Fall 2013

- Worked one-on-one with a student to go over course material and improve understanding

Teaching Assistant, Introduction to Computer Science (I), Fall 2012

- Graded, held lab, and held hours for coursework related to functional programming and algorithm analysis

Involvement

17th place, Collegiate Cycling Nationals Road Race

Brown University Cycling Team, President, 2014-2015

Brown University Cycling Team, Women's Captain, 2011-2014

Yoga and Mindfulness Club, 2011-2013

Tutor, Algebra in Motion program at Hope High School, 2012