

JOANNA SIMWINGA

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EDUCATION

Brown University

Providence, RI 02912

Sc.B. Computer Science

Anticipated Graduation May 2018

EXPERIENCE

COORDINATOR

The Artemis Project
Feb 2015-Mar 2016

Coordinated a 5 week computer science summer program and a 2 semester coding club for 20 young women in 9th grade on a team of 4 undergraduate women. Redesigned the program's curriculum, developed and taught a unit on coding in Python. Built the program's website and led a new TA program.

TEACHING ASSISTANT

Algorithms&Data Structures
Prof. David Laidlaw Spring 2016

The Digital World

Prof. Don Stanford Fall 2015

Wrote lab and homework assignments and ran 2 weekly lab sessions of 25 students for The Digital World. Led weekly sections for Algorithms&Data Structures. Held weekly office hours and graded assignments for both courses.

MENTORSHIP

COORDINATOR

Brown WiCS

Aug 2015- Present

Organized the mentorship program for Women in Computer Science. Promoted the program, matched over 160 mentors and mentees, and organized events for the program.

MENTOR

Google Ignite CS

Feb 2015-Present

Lead Mentor Aug 2015-Present

Led a coding club at Classical High School in Providence along side two gradate students. Planned curriculum, recruited mentors, organized the club, and taught the students how to code on a weekly basis.

SOCIAL MEDIA

DIRECTOR

Mosaic+

Aug 2015-Present

Branding Team June 2015-Present
Founding Member

Founding member of a student organization that aims to make the Brown CS Department a more inclusive space for underrepresented minorities. Created and managed various social media accounts. Designed the group's website, and managed promotions for events.

LANGUAGES

JAVA



PYTHON



C



HTML/CSS



JAVASCRIPT



SOFTWARE/SKILLS

ECLIPSE



DREAMWEAVER



PHOTOSHOP



ILLUSTRATOR



COURSEWORK

Completed Courses:

- + Object Oriented Programming in Java
- + Algorithms and Data Structures in Java and Python
- + Computer Systems in C
- + Designing, Developing and Evaluating User Interfaces

Ongoing Courses:

- + Probability and Computing

PROJECTS

ARTEMIS GRAPHICS (2015):

a graphics library for teaching object oriented programming in Python to beginning programmers based upon the graphics library Zellegraphics by John M. Zelle.

+developer

MOOD AESTHETICS (2013):

an audio visualizer written in Python using the Pygame graphics library. Developed by a team of 3 students

+developer

SUO (2011-2014):

an online shop which specialized in custom denim apparel and had customers on 5 continents.

+co-founder +customer relations
+social media manager +web developer

INTERESTS

- + DIVERSITY IN TECH
- + WEB DEVELOPMENT
- + CLEAN DESIGN
- + HCI, UI & GRAPHICS
- + TECH EDUCATION
- + E-COMMERCE
- + ENTREPRENEURSHIP