# Juliet Slade

julietslade.com
juliet.slade@gmail.com | 651.485.8635

## EDUCATION

### SARAH LAWRENCE COLLEGE

BA with Computer Science concentration
May 2017 | Bronxville, NY
Cum. GPA: 3.76

## LINKS

Github:// **juliet36**
LinkedIn:// **juliet-slade**
WordPress:// **itsmejuliet**

## COURSEWORK

### UNDERGRADUATE

Independent Study in Web Tools for Learning to Program
Databases and Server-Side Programming
Quantum Computing
3D Modeling
Computer Architecture
Motors, Lights, and Logic (Physical Computing w/ Arduino)
Principles of Programming Languages
Discrete Math
Bio-Inspired Artificial Intelligence
Compilers: How Computers Execute Their Programs
Data Structures & Algorithms

## SKILLS

### PROGRAMMING

Comfortable:
JavaScript • Python
Familiar:
HTML/CSS • Java • C • PHP • MySQL • Sass • Scala • Neo4j
Knew at One Point:
• Scheme • MIPS Assembly
Other:
Blender • Microsoft Suite

## EXPERIENCE

### WESTCHESTER END OF LIFE COALITION | Project Assistant

Nov 2015 – Present | Bronxville, NY

- Contracted employee providing technology assistance for a growing nonprofit agency.
- Assists with managing and updating database and the back-end of agency's WordPress website.

### SARAH LAWRENCE COLLEGE | Lab Assistant and Tutor

Sep 2014 – May 2017 | Bronxville, NY

- Work study position as assistant to professors for: Intro. to Computer Programming (Python), Intro. to Web Programming (JavaScript, HTML/CSS), and Data Structures & Algorithms (Java).
- Responsible for assisting the students in weekly labs and for holding weekly group tutoring sessions along with one-on-one sessions

### SARAH LAWRENCE COLLEGE | Donor Relations Assistant

Sep 2014 – May 2017 | Bronxville, NY

- Responsible for data entry (Raiser's Edge), general filing and mailings, and events

## RESEARCH

### SARAH LAWRENCE COLLEGE - SUMMER RESEARCH PROGRAM | Computer Science Research Assistant

May 2017 – July 2017 | Bronxville, NY

Worked with professor Michael Siff and another student to create **VPL**, a visual programming language. Our goal was to explore programming on a touch screen device which involved minimizing the need to type. My specific role was to implement the back-end evaluator which traversed the node-based AST we created for this language.

## PROJECTS

### JS-HELP | Hint-based programming help

Independent Study in Web Tools for Learning to Program, Spring 2017 | Bronxville, NY

JS-help (JS-hint already exists and the JS doubles for JavaScript and Juliet Slade!) is a tool to help students get hints while working on a programming problem. I sat in on and worked as a lab assistant for an intro. class and observed that students often need lots of examples and help moving forward in problems. JS-help, given a solution, breaks it into a sequence of automatically generated hints that can be expanded much like how code folding works, but in reverse.

### VECTORJAM | Visualizer of linear algebra concepts

Quantum Computing, Fall 2016 | Bronxville, NY

Project completed with another student, Avinoam, the JAM stands for Juliet, Avinoam, and Math. VectorJAM shows the interaction of a matrix on a vector, along with displaying eigenvalues, eigenvectors, and product vectors. It supports complex matrices, as well, and visualizes in the complex plane.