# Juliet Slade

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## 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

**Most Comfortable/Fluent**:
JavaScript • Python
**Familiar**:
HTML/CSS/Sass • Java • C • PHP • MySQL • Scheme • Scala • Neo4j
**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 Computer Science professor Michael Siff and a classmate, Avinoam, 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. We also began to implement some filtering of the options available to the user, using data types to do so. 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 worked as a lab assistant and tutor for the Intro. to Web Programming class and observed that students often need many examples as well as 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

vectorJAM is a visualizer for linear algebra concepts we learned in a Quantum Computing class. It shows the interaction of a matrix on a vector, along with displaying the eigenvalues, eigenvectors, and product vectors. It supports complex matrices, as well, and visualizes their effect in the complex plane. I completed this with my classmate, Avinoam, and the JAM stands for "Juliet Avinoam Math."