

Juliet Slade

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SKILLS

Current Primary Focus:

JavaScript • Python

Other Significant Experience:

HTML/CSS/Sass • Java • Ruby • C • PHP
• SQL • Scheme • Scala • Neo4j

Other:

Blender • Microsoft Suite • IoT

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

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

EXPERIENCE

THE CHARTED PATH | FREELANCE WEB DESIGNER/DEVELOPER

Sep 2014 – Nov 2017 | Bronxville, NY

- Built and designed company website using Wix.
- Created graphics for the website as well as: business cards, Facebook cover photo, and Mailchimp template.

WESTCHESTER END OF LIFE COALITION | PROJECT ASSISTANT

Nov 2015 – Present | Bronxville, NY

- Co-managed the successful implementation of a new fundraising database system, responsibilities included: merging numerous data files into one file, formatted based on system set-up; reviewing import file to ensure data integrity; and managing successful import process
- 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

RESEARCH

SARAH LAWRENCE COLLEGE - SUMMER RESEARCH PROGRAM

| COMPUTER SCIENCE RESEARCH ASSISTANT

May 2016 – July 2016 | Bronxville, NY

Worked with Computer Science professor Michael Siff and a classmate, Avinoam, to create **VPL**, a visual programming language for touch screen devices. 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 is a tool to help students get hints while working on a programming problem. I worked as a lab assistant/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 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."