

Joseph Wilson

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EDUCATION

Pursuing B.S in Computer Science
Stony Brook University, 2017-Present

EXPERIENCE

Full Stack Developer | Teaching Learning Lab, Stony Brook University

July 2018 – Present

- Develop unique learning tools for Stony Brook Professors.
- Create user-friendly UI using JavaScript/jQuery.
- Update and store user data server side using PHP and JSON.
- Host a web-server using node.js
- Enable real-time communication between users using sockets.
- Convert user data into visible elements on the page.
- Design mobile friendly versions of the application.
- Understand and implement the needs of a client.

Code Coach | theCoderSchool, Syosset

March 2018 – July 2018

- Instruct children ages six to fifteen on different programming languages, terms, and techniques.
- Help them develop their ideas into fully functioning programs.
- Teach presentational skills, including public speaking and building visual presentations.
- Record organized notes of each child's progress.
- Relay and explain what the children have learned to their parent/guardian.

Treasurer | Stony Brook Computing Society, Stony Brook University

May 2018- Present

- Manage Finance Budgets (FSA, University Allotted Budgets)
- Seek sponsorship opportunities and coordinate sponsor events
- Lead technical workshops, host social events, etc.
- Setup collaborations with other on-campus organizations

PROJECTS

ByteTheBudget | BitCamp, 2018

ByteTheBudget.com

- Created MongoDB database that stored user and program information in AWS.
- Connected the database using the MongoDB Stitch API and JavaScript
- Relayed database information to client-side JavaScript script.
- Version control and partner collaboration through GitHub.

BrainPicker | Teaching Learning Lab, 2018-Present

<https://github.com/SBUtlmedia/brainPicker>

- Updated/Displayed user score and high scores using PHP, JS, jQuery, and locally stored JSON files.
- Implemented playback animations and other UI using jQuery and JS.
- Developed script to convert scores into CSV file for automatic grading use by professors.
- Designed an algorithm for finding maximum area possible given a series of points (used for distance score).

Health Facts Site | HackHealth, 2018

Jaw0608.PythonAnywhere.com

- Implemented URL routing
- Incorporated a MySQL database for storing image paths and facts
- Implemented dynamic HTML page creation using Python Flask.
- Created CSS Page Styling and setup website hosting with PythonAnywhere.