Esther Song

(347) 856 6631 | Brooklyn, NY | song.esther01@gmail.com | github.com/songesu | linkedin.com/in/songesu/ | songesu.github.io

EXPERIENCE

Financial Systems - Department of Youth and Community Development   New York, NY
Web Development Intern   *October 2017 – Present*
- Building the Discover DYCD web application with React, Node, Express, and PostgreSQL that aims to make it easier for users to find information about several DYCD funded programs across NYC
- Collaborating with another intern to build a new version of the DYCD agency internal payment structure that allow company personnels to request products they need under budget

CUNY Tech Prep   New York, NY
Student Full Stack Developer   *June 2017 – Present*
- Selected for a competitive full stack JavaScript training program that prepares students for careers in software engineering
- Learning in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development

Applied CS in Android Workshop   New York, NY
Participant   *March 2017 – April 2017*
- Selected for a six-week intensive Android training program where students develop android applications by applying computer science fundamentals
- Created many android applications weekly and applied data structures and algorithm such as Trie Trees, Hashmap, HashSet, Array, Binary Search Tree to the applications

PROJECTS

Peer Tutoring   *Fall 2017*
- Developed a web application with a team of five that allow students to request help from their peers or choose to become a tutor to help teach materials from a class they took previously.
- Built using Ruby on Rails as the framework for both the frontend and backend functionalities.
- Utilized HTML, CSS and Adobe Photoshop to stylized and design the overall look.
- Implemented PostgreSQL database to store all the tables, relationships between tables, and data entries.

Safe for Dogs   *Winter 2017*
- Developed an android application that enables the user to determine if a food product is safe for dogs to consume or not, by scanning the barcode.
- Leveraged the ZXing library for accurate barcode scanning and retrieved food facts by integrating with the Open Food Facts
- Designed the look and feel of the overall application using XML and Adobe Photoshop.

EDUCATION

Hunter College City University of New York   New York, NY
Bachelors of Arts in Computer Science | GPA: 3.6   *Expected: May 2018*
Relevant coursework: Software Analysis and Design (I, II, III), Computer Architecture (I, I, IIII), Database Management, Android Application Development, Operating Systems

TECHNICAL SKILLS

Languages: C++, JavaScript, Java, HTML, CSS
Frameworks and Libraries: Express.js, Sequelize.js, React.js, Node.js, Angular.js, jQuery, Bootstrap, Ruby on Rails
Technologies: Android Studio, Heroku, Git/GitHub, Adobe Photoshop, Adobe illustrator, SQL, PostGreSQL