

Esther Song

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EXPERIENCE

Financial Systems - Department of Youth and Community Development

New York, NY

Web Development Intern

October 2017 – Present

- Building the Discover DYCD web application that aims to make it easier for users to find information about several DYCD funded programs across NYC, build using React, Node + Express and PostgreSQL
- 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

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

FeeLess

Fall 2017

Web application that enable users to transfer money internationally without the fee by matching users with each other based on where they want to transfer money to

- Technologies: HTML, CSS, Javascript, Express.js, Sequelize.js, React.js, PostgreSQL
- Role: (Team of 4) Designed and implemented the database schema; build the backend with express.js/sequelize.js and the frontend dashboard page with react.js.

Peer Tutoring

Fall 2017

Web application where students can either request help from their peers or choose to become a tutor to help teach materials from a class they took previously

- Technologies: Ruby on Rails, Javascript, HTML, CSS, AJAX, Postgresql, Stripe API, Adobe Photoshop
- Role: (Team of 5) Manipulated database schema + attribute values; designed + implemented the UI

AttenDONE

Spring 2017

Android application that uses cards, that has an NFC chip, to take attendance by tapping it onto the mobile device

- Technologies: Android Studio, Java
- Role: (Team of 5) Implemented the list view of all students in the class and the toggle functionality for when the student tap their NFC card for attendance

Safe for Dogs

Winter 2017

Android application that determine if a food product is safe for dogs to consume or not, by scanning the barcode

- Technologies: Android Studio, Java, Open Food Facts API, ZXing ("Zebra Crossing")
- Role: 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

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