

# Esther Song

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## EDUCATION

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### Hunter College City University of New York

New York, NY

*Bachelors of Arts in Computer Science* | GPA: 3.5

Expected: June 2018

**Relevant coursework:** Software Analysis and Design (I, II, III), Computer Architecture (I, I, IIII), Database Management, Android Application Development, Operating Systems

## PROJECTS

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### Peer Tutoring

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's values and designed + implemented the UI

### AttendONE

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 in their NFC card for attendance

### Safe for Dogs

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: Utilized ZXing library for accurate barcode scanning functionality and the Open Food Facts API to retrieve food facts and designed the look + feel of the overall application

## EXPERIENCE

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### Financial Systems - DYCD

New York, NY

*Web Development Intern*

*October 2017 – Present*

- Building multiple small program to learn the DYCD tech stack: ASP.NET, C#, Angular.js, and MongoDB under the technical mentorship of the financial system lead
- 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

*Software 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, and CI/CD

## TECHNICAL SKILLS

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**Languages:** C++, HTML, CSS, JavaScript, Java

**Technologies:** Express.js, Sequelize.js, React.js, Node.js, Angular.js, Android Studio, jQuery, Bootstrap, Heroku, Git/GitHub, Adobe Photoshop, Adobe illustrator, Ruby on Rails