

Jacky Eng

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Technical Skills

Programming Languages: Java, C++, Python, R, JavaScript, PHP

Frameworks: Node.js, Django, Espresso

Others: LAMP(Linux, Apache, MySQL, PHP) Stack, Android Studio, Jupyter Notebook, Tableau, Office 365

Work Experience

New York City Transit MTA – Brooklyn, NY

July 2019 – August 2019

Data Entry Intern

- Presented data visualizations of company's work assets in weekly meetings using **Python** and **Excel** tools
- Generated work procedures through **Word** and **Excel**
- Assisted in workshops training 50+ employees scanning, printing, and labeling barcodes

NYC Health + Hospitals – Manhattan, NY

June 2018 – August 2018

IT Intern

- Deployed and imaged more than 300+ computers in multiple hospital sites throughout NYC
- Assisted in troubleshooting computer technical problems

Education

State University of New York: University at Buffalo

May 2020

B.S. Computer Science, Fall 2017 Dean's List

- **Related Coursework:** Software Engineering, Data Intensive Computing, Web Programming

Project Experience

Web Programming I & II – One-year Full Stack Programming Course Series

February 2020 – May 2020

(<https://github.com/Jengworks/Web-Programming-I-and-II>)

- Built a User Register site, Login site, and an Admin site for database CRUD privileges using **LAMP** stack
- Used **AJAX** to communicate with SQL databases and processed data through **PHP**
- Learned **HTML** and **CSS** manipulation using **JQuery**

Automatic Door Lock – Made with my roommates while dorming at college

January 2020 – March 2020

- Hosted a 24/7 NodeJS server on a Raspberry Pi (with wi-fi) using Blynk, an IoT framework, to manage multiple user accesses to a door operated by an automatic 20-kg servo motor door lock
- Implemented a small bash script to perform real-time tracking of people who came in and out of the door

Ez Eatzz – Software Engineering Course Senior Project

September 2019 – December 2019

Android Development (<https://github.com/Jengworks/Ez-Eatz>)

- Collaborated in an agile team developing an **Android** app in **Java** that helps people find and decide on nearby eateries
- Performed background tasks such as a loading indicator, sending Google Places API requests, and storing user information using **SharedPreferences** library
- Tested and optimized the app with the Espresso framework for UI unit testing, assuring smooth UI component transitions
- Used **ZenHub** for scrum board and **GitHub** for version control

WatChuWant – UB Hacking 2019 Hackathon Project: Wegman's API Challenge

November 2019

Front-End Development (<https://devpost.com/software/whatchuwant>)

- Successfully built a **HTML**, **CSS**, **JS**, **Python**, **Django** web stack, asking the user what they felt like eating and desired amount of prep/cook time.
- Incorporated Wegman's API to display a list of available recipe links related to user's inputs, and redirect them to Wegman's main website for full dish details

Twitter Application Development – Data Intensive Computing Course Project

March 2019 – May 2019

(<https://github.com/Jengworks/Twitter-Application-Dev>)

- Developed a twitter app in **Python** and **R** to gather over 10,000 tweets through **Twitter API**, finding hashtags related to a user's input of keywords
- Extracted, cleaned, and formulated data sets of tweets consisting usernames, text, and lat/long locations into .csv files
- Used **Tableau** to illustrate the frequent words used in the tweets such as word cloud