Jacky Eng

New York, NY | 929-389-5946

✉ jengworks10@gmail.com
github.com/jengworks
in linkedin.com/in/jengworks

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

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

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 Eatz – *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 **SharedPreference** 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