

# JACKY ENG

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## EDUCATION

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### State University of New York: University at Buffalo

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

Amherst, NY

August 2016 – May 2020

- Related Coursework: Web Programming I and II (Front-End, Back-End), Software Engineering

## SKILLS

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**Programming Languages:** Java, JavaScript, Python

**Front-End:** React.js, Bootstrap, Espresso, HTML, XML, CSS

**Back-End:** Node.js, Express.js, Apache, Django, PHP, MySQL

**Other:** Linux, Shell, Git, Microsoft(Visual Studio Code, Word, Excel, PowerPoint)

## WORK EXPERIENCE

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### New York City Transit MTA

Data Entry Intern

Brooklyn, NY

July 2019 – August 2019

- Managed company's asset records and analyzed with **Python**, generated work procedures in **Excel**, and presented data visualizations of company's work assets in weekly meetings with **PowerPoint**
- Led workshops training 50+ maintenance workers to transition them from their legacy system of metal etching data onto train parts to using the company's new modern software in producing, scanning, and labeling barcodes

### NYC Health + Hospitals

IT Intern

Manhattan, NY

June 2018 – August 2018

- Deployed and imaged more than 300+ computers in multiple hospital sites throughout New York City
- Assisted hospital workers in troubleshooting computer and medical technology equipment issues

## PROJECT EXPERIENCE

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### Messaging Web Chat App (<https://jengworks-chat.netlify.app/>)

June 2020 – August 2020

Full Stack, A RESTful real-time web app to chat online

- Built a web app with **React.js**, **Bootstrap**, on the front end, with **Node.js**, **Express.js**, and Socket.io (Web socket library to transfer payloads of data between client and server) on the back end
- Ensured responsive view compatibility on various devices (e.g. mobile, tablet)
- Client is CD(continuous deployed) on Netlify and Server on Heroku

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

February 2020 – May 2020

Full Stack, A 2-Semester Web Programming Course Series

- Created a user login page that sends POST requests retrieving existing user account information from database
- Implemented regex validations on a user registration form page enforcing username, strong password, and email input requirements and encrypted passwords with SHA-1 cryptographic hashing protocol
- Built an admin page where users with admin privileges are shown a displayed table of the data from the database with the ability of performing CRUD actions to the database and exporting the table data to a downloadable .csv file
- Used LAMP (**Linux**, **Apache**, **MySQL**, **PHP**) stack such that **PHP** handles all data processing (e.g. GET and POST requests) to a **MySQL** database

### Ez Eat3 (<https://github.com/Jengworks/Ez-Eatz>)

September 2019 – December 2019

Front-End, Software Engineering Course Senior Project

- Collaborated in agile development team of 3 sprint meetings with a student product manager throughout a semester developing an Android app that helps people finding and deciding on nearby eateries
- Implemented asynchronous background tasks such as a loading indicator, fetching Google Places API requests in JSON, and storing the app's user data on Android mobile devices with SharedPreferences API
- Tested and optimized the app with the **Espresso** framework for UI unit testing, ensuring smooth UI component transitions
- Used ZenHub for scrum board and GitHub for version control

### WatChuWant (<https://devpost.com/software/whatchuwant>)

November 2019

Front-End, UB Hacking 2019 Hackathon Project: Wegmans API Challenge

- Successfully developed a web app in 24-hours asking the user what they felt like eating and desired overall prep/cook time to display a list of recipe links such that each link redirects the user to Wegman's main website for the recipe's full details
- Used **HTML**, **CSS**, **JavaScript**, **Django** web stack and sent GET requests (with user input as queries) to Wegmans API for fetching recipes in JSON