Yanlin (Eric) Zhu

Full-Stack Engineer | yanlinzhu.herokuapp.com/

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Education

City College of New York (CUNY)

B.E. Computer Engineering   June 2018

Work Experiences

New York City Transit - New York, NY   Feb 2018 – Dec 2018

Full-Stack Engineer Intern

Public Subway Dashboard   Sep 2018 – Dec 2018

- Designed and implemented intuitive and user-friendly UI components to improve user experiences of the old dashboard.
- Created RESTful API endpoints with Express to fulfill data exchange between client and the server.
- Wrote ETL python scripts to transfer database data from one environment to another to fulfill the transition from development to production.
- Deployed and managed the app using AWS cloud services such as Elastic Beanstalk, S3, AWS RDS, and Lambda function.
- Collaborated closely with other team members and coordinate weekly progress report meetings with them.

Environment: HTML5, CSS3, Javascript, Jquery, D3.js, Webpack4, Babel, Node.js, PostgreSQL ans AWS.

Internal Subway Heatmap   May 2018 – Sep 2018

- Designed and implemented React UI components with MaterialUI.
- Built a RESTful API with Express for data export in excel format that allows other dashboard applications to access as well.
- Modified existing automated data collection ETL python scripts to meet changes to the dashboard.
- Created a full stack technical flowchart that allows other developers to understand the design of this dashboard.

Environment: HTML5, CSS3, Flexbox, Javascript, React, Webpack4, Babel, Node.js and MongoDB

Yale Car Rental - Flushing, NY   Jun 2017 – Sep 2017

Full-Stack Engineer Intern

- Migrated some features from one website to another to ensure that both sites has the same functionalities.
- Used GoDaddy web hosting service to host the website and database.
- Implemented simple UI components by translating wireframes to the actual design using HTML, CSS, and Javascript.

Environment: HTML, CSS, Javascript, Jquery, PHP, and GoDaddy

Web Development Skills

- HTML5
- CSS3
- JavaScript
- Webpack 4
- Babel

Programming Language

- Python
- C++

Front-End Framework

- React
- React Native
- Redux
- Jquery
- Bootstrap 4
- MaterialUI
- MaterializeCSS
- D3.js

Back-End Framework

- Node.js
- Flask

Database

- MySQL
- PostgreSQL
- MongoDB

Version Control

- Git

Cloud Application Platform

- AWS
- Heroku
- mLab

Language

- English
- Chinese (Mandarin & Cantonese)