

Yan Chen

SOFTWARE ENGINEER · WEB DEVELOPER

Brooklyn, New York

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Education

Boston University

B.S. IN COMPUTER ENGINEERING | GPA: 3.81/4.00 | DEAN'S LIST ALL SEMESTERS | ALBERT SHANKER SCHOLARSHIP

Boston, MA

Expected May 2022

Technical Skills

Programming Languages: Python, C++, C, JavaScript, Java, HTML, CSS, MATLAB, Verilog

Frameworks: NodeJS, Express, Django, Flask, ReactJS, React Native, LaTeX

Tools: MongoDB, MySQL, PostgreSQL, AWS, Google Cloud, Firebase, OpenShift, Docker, Android Studio, PyTest, Git, Bash, Linux

Work Experience

Open Water Accelerator

SOFTWARE ENGINEER INTERN

New York, NY

Jun. 2020 - Aug. 2020

- Developed a cross-platform mobile App in **React Native** with **Firebase** database and authentication.
- Implemented more than 33% of the App's core features with **Google Cloud** APIs integration.
- Promoted a portfolio company to launch a fully functional MVP of the App.

Gridology Education & Technology Inc.

SOFTWARE ENGINEER INTERN

New York, NY

May. 2020 - Aug. 2020

- Developed and maintained **RESTful** APIs in **Django**, updated APIs to streamline **PostgreSQL** migrations.
- Designed and implemented multiple web crawlers to automate database updates, reducing web crawlers' runtime by 90%.

Hutyra Research Lab – Boston University

RESEARCH ASSISTANT

Boston, MA

Feb. 2020 - May. 2020

- Designed and built a web visualization platform to manage and visualize sensor data in real time.
- Implemented **RESTful** APIs using **NodeJS**, **Express**, and **MongoDB** to provide user authentication and authorization for data management and access.
- Developed real time visualization charts using Chart.js, Socket.io, **HTML/CSS**, Bootstrap, and jQuery.

Projects

CI/CD Pipeline for API Development

SOFTWARE ENGINEER

Sep. 2020 - Dec. 2020

- Developed API using **Flask** backend, **React** frontend, hosting with **Docker** images on **OpenShift**.
- Design **CI/CD** pipeline using GitHub Actions and Packages, and adhere to **DevOps** principles.
- Implemented a **Command-Line-Interface** to automate pipeline setup using Oclif and **Node.js** to for a **one-click-deployment solution**.
- Use **PyTest** and test-driven development practices to do continuous deployments with zero downtime.
- Support 4-member Agile team as developer, working with stakeholders from State Street.

Burger Builder

SOFTWARE ENGINEER

Jun. 2020 - Aug. 2020

- Developed a web application that allows users to select ingredients and build their ideal burger in real time using **React**, **Redux**, and **Firebase**.
- Implemented features such as a ingredients selector, order checkout, and transaction handling.

Terrier Exchange

TECHNICAL LEAD & SOFTWARE ENGINEER

Nov. 2019 - Dec. 2020

- Designed and developed an online marketplace Android app for Boston University students to buy, rent, and sell textbooks using **Android Studio** and **Java**.
- Integrated backend using **Firebase** to provide user authentication, database, and storage.
- Led a team of 5 as the technical lead, designed project layout, and resolved technical difficulties.

Extracurricular Activity

Hack for Impact

SOFTWARE ENGINEER

Boston, MA

Sep. 2020 - Present

Global App Initiative

TREASURER

Boston, MA

Jan. 2020 - May 2020