Connor Shuyang Lin

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No visa sponsorship needed (Green Card holder)

EDUCATION

BOSTON UNIVERSITY
BACHELOR OF SCIENCE
MAJOR IN COMPUTER SCIENCE
MINOR IN ECONOMICS
Graduated May 2023
Boston, MA

GPA: 3.75

SKILLS

LANGUAGES & FRAMEWORKS

Experienced in:
HTML/CSS ● JavaScript
React.js ● Vue.js ● Node.js
Express.js ● Electron.js
MongoDB ● SQL

Familiar with:
C/C++ ● Python ● Flask
Golang ● Java

TOOLS & LIBRARIES

Axios ● Redux ● Stripe ● Git
Postman ● Bootstrap ● Tailwind
Ant Design UI ● Firebase
MySQL ● Mongoose ● Atlas
MongoDB Compass

COURSEWORK

Data Structures & Algorithms
Computer Networks
Info Security & Cryptography
Software Engineering
Database Management System
Operating System
Functional Programming

INTERESTS

Full Stack Development
Web Security
User Interface Design

EXTRACURRICULAR & Awards

2019-2023 Recipient of Dean's List honors
2017-2019 Co-Captain • Hampton Roads Academy Sailing Team
2018 4th place • TEAMS State Competition

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEERING INTERN | Neuron Digital Inc.
June 2022 - September 2022 | Shenzhen, China

- Led the development of a cross-platform desktop application version for the website using **Node.js** and **Electron.js**, empowering users to open and interact with Unity 3D building models via the website.
- Refined UI of building information modeling (BIM) demo using **Vue.js** and **Ant Design UI**.
- Built an admin page for the asset management system, allowing users to create and respond to notifications while enforcing role-based access control for customized viewing permissions, led to a **55%** improvement in average response time.
- Applied **agile** methodology to respond to changing requirements and deliver workable features in every sprint.

PROJECTS

NATOURS | Full Stack Tours Operator Web Application | August 2023

- Built a full-stack web application that empowers users to book tours. Leveraged **Express.js** for a robust back-end, including over **25** distinct **Restful** APIs and **5** subscription services. Tested and documented with **Postman**.
- Employed **JWT** and cookies to ensure a secure and fluid login process. Fortified user data by utilizing **bcrypt** for password hashing and incorporated random password reset tokens for forgotten password scenarios, while these processes sent real-time email notifications integrated through **Nodemailer**.
- Hosted a cloud-based database using **Atlas** and tested with **MongoDB Compass** to provide a secure and scalable database management system. Utilized **Mongoose** to interact with the remote database.
- Incorporated multiple features such as interactive geographic demonstration with **Mapbox** APIs and online credit card payment system using **Stripe**.

SAVORSEEKER | Recipe Search Web Application | November 2022

- Developed a web application that allows users to search recipes by tastes and diet plan using **React.js**. Collaborated in a group of 6 as the **team leader**.
- Orchestrated collaboration through **Github**, creating user stories and Entity-Relational Diagram (**EERD**) to align with the project requirements. Employed **object-oriented design** to guarantee reusability and maintainability.
- Implemented regular sign up/login functionality along with third-party-login using **OAuth**, achieved **94.3%** user satisfaction rate, reflecting the smooth and user-friendly login experience.
- Incorporated **Redux Toolkit** for state management and **React Router** for routing. Utilized **Bootstrap** to implement a variety of responsive UI components.

MIT 6.824 Lab | Distributed Systems Projects | April 2023

- Completed **MapReduce** and **Raft** of MIT 6.824 with **Golang**, passed all the error testing cases and finished the project with **top 4%** grades of the class.
- Leveraged the MapReduce framework for parallel and fault-tolerant data processing to efficiently process and analyze large-scale data sets.
- Implemented features like leader election, log replication, and fault tolerance of Raft, etc. Deliberately introducing various types of concurrent errors and ensuring its seamless operation.