

# XIN LIU

## Software Engineer

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## EDUCATION

### Rochester Institute of Technology

Graduation: Dec 2020

Web and Mobile Computing, BS

GPA: 3.98

## SKILLS

### Languages

JavaScript, Java, Python, C#, SQL, Bash

### Frameworks

Node.js, Express, Handlebars, React, Next.js, Angular 8, jQuery, Spring Boot, ASP.NET

### Databases

MongoDB, Firebase, MySQL, PostgreSQL

### Others

Git, AWS (Lambda, RDS, API Gateway, EC2), Docker, Linux

## ACHIEVEMENTS

### Bertelsmann Technology Scholarship - AI Track

2019 Recipient

- Chosen among a competition pool of 15,000 individuals worldwide to participate and learn about the basics of deep learning, neural networks using PyTorch.

### Grow with Google Scholarship – Mobile Web Track

2018 Recipient

- Selected to participate in a 3-month online challenge sponsored by Google with developers and students across the country to learn about modern JavaScript and best practices for PWAs.

### JP Morgan Chase – Code for Good 2017 Hackathon

Second Place Winner

- Led a team of 5 individuals to compete against 10 other teams to create an application for a non-profit organization in 24 hours.

## EXPERIENCE

### Software Engineer Intern @ Fidelity Investments

May 2019 – August 2019

- Developed a dashboard with **Angular 8**, **Java Spring Boot** and **OracleDB** to monitor financial data to be used by advisors to increase client retention.
- Designed and implemented a tool built with **Java** to parse application logs into an Excel spreadsheet to monitor user activity on the Wealthscape platform.
- Patched vulnerabilities in existing **ASP.NET** applications related to XSS and CORS to prevent future application exploits.
- Updated a Spring Boot web service to be cloud-ready on **Pivotal Cloud Foundry** by storing application secrets on Spring Cloud Config and Vault to increase application security.

### Full Stack Developer @ Pathfinder.VET

January 2017 – Present

- Built an event registration system using the **MVC** architectural pattern for clients to register and create events - leading to a 25% increase in client engagement.
- Constructed a **RESTful API** using **Node.js** and **Express** to manipulate data stored in **MongoDB** for code reusability with both web and mobile interfaces.
- Cooperated with project manager to create a point-based gamification system resulting in increased activity of users and decreased site bounce rate.

### Software Developer Intern @ Maalka

September 2017 – January 2018

- Developed an open-source web application created with **Node.js**, **Express**, **React** and **MongoDB** that converts the Building Energy Data Exchange Specification (BEDES) from XML format to JSON format.
- Utilized **Docker** to host application containers on a **Linux** VM in **Azure** for ease of application management and maintainability.

## PROJECTS

### StocksWatch @ <https://stockswatch.netlify.com/>

May 2019 – Present

- Serverless application that allows users to monitor historical prices of 7925 publicly traded stocks using AWS Lambda functions with AWS RDS. Deployed on Netlify with CI/CD support. Unit tested using Jest and Enzyme.

Technologies: **React**, **Node.js**, **PostgreSQL**, **Highcharts**, **AWS** (Lambda, API Gateway, RDS)

### Receiver @ <https://github.com/XinnyLiuu/Receiver>

November 2019 – Present

- Real-time messaging peer-to-peer hybrid application that promotes security by using AES-CBC encryption on messages and provides users with additional messaging features using several APIs offered by GIPHY and Google (Translate, Geolocation).

Technologies: **Ionic**, **Angular 8**, **Firebase** / **Firestore**

### DietManager @ <https://github.com/XinnyLiuu/DietManager>

September 2018 – December 2018

- Java application built using the Composite Pattern, Observer Pattern, Factory Pattern and the MVC Architectural Pattern that allows users to track their caloric intake and exercises to promote better personal health.

Technologies: **JavaFX**