JUSTIN YING

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SKILLS

Languages	Java, Python, JavaScript, SQL, C, TypeScript, R
Software	AWS, Angular, Git, Linux, Node.js, Express, Spring

EXPERIENCE

Software Engineer I *June 2021 - Present*
Raytheon Intelligence and Space

Software Engineer Intern *June 2020 - Aug. 2020*
Fidelity Investments

- Worked as a full stack developer on an Agile team with daily stand-ups and Jira stories to build a platform that allows for rapid development of web apps.
- Facilitated integration between the database, UI and the decision science teams to store user input.
- Used Angular and Bootstrap to develop a dynamic and fluid web app that integrated routing and navigation.
- Migrated SQL code to Spring framework to create REST APIs, and created CRUD services to interact with Oracle SQL Database tables.
- Used Swagger API and Jenkins to test and deploy mock databases which allow users to store their current project workspace and other user data.
- Designed and built a reactive form that follows a decision tree to guide and recommend a solution to users based on their selections.
- Created an interactive chat bot based on AWS Lex that helps users navigate the web app.

Undergraduate Research Assistant *Aug. 2018 - Apr. 2019*
Stony Brook University

- Modified web scraper application to increase extensibility and scalability for large scale data collection.
- Helped increase algorithm sorting speed, accuracy and efficiency for large data sets by testing combinations of various data structures and algorithm techniques.

PROJECTS

Pointer *Angular, Python, Javascript, Bootstrap*
A severless web platform built with AWS that allows users to leave ratings and reviews for anything.

- Developed a frontend using Angular and Bootstrap that is hosted on AWS Amplify.
- Used AWS Cognito to authenticate and manage users to ensure secure backend API.
- Utilized AWS API Gateway to allow for dynamic API calls over HTTP, and AWS Lambda functions were used to store and fetch data in AWS DynamoDB.
- Allowed users to upload a profile picture and images for their reviews by storing them in AWS S3.

Asian Snack Boutique *JavaScript, HTML, CSS*
A web app that parses through several food websites, categorizes and displays snacks from many Asian cultures.

- Implemented a Cheerio Scraper that collects and transforms information from multiple websites into a singular data schema.
- Created a backend API using Express and Node.js to read and write snack entries to and from a MongoDB database.
- Built a user interface that allows users to upload and store their own pictures and descriptions of snacks not yet found in the database.

EDUCATION

Stony Brook University *Aug. 2017 - May 2021*
B.S. Double Major in Computer Science and Applied Mathematics and Statistics

- Cum Laude/University Scholars