

# JUSTIN YING

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## EDUCATION

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### **Stony Brook University**

*BS Double Major in Computer Science and Applied Math and Statistics*

*Aug. 2017 - May 2021*

*GPA: 3.47*

- University Scholars/Dean's List

### **Hong Kong University of Science And Technology**

*Study Abroad Summer 2019*

*Jun. 2019 - Aug. 2019*

- International Academic Programs Scholarship

## WORK EXPERIENCE

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### **Software Engineer Intern**

*Fidelity Investments*

*Jun. 2020 - Aug. 2020*

- Worked as a full stack developer on an Agile team with daily stand-ups and 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 form data to track user path through decision tree.
- Developed web app using Angular and Bootstrap to create a dynamic and fluid website with various unique pages and functionalities such as routing to different parts of the platform.
- 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 UI form that follows a decision tree to guide and recommend users based on their selections.
- Created an interactive chat bot based on AWS Lex that provides assistance on navigating the web app.

### **Undergraduate Research Assistant**

*Stony Brook University*

*Aug. 2018 - Apr. 2019*

- 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

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### **Pointer** *Angular, Python, Javascript, Bootstrap*

A severless web platform built using several AWS products that allows users to leave ratings and reviews for anything.

*Jun. 2020 - Aug. 2020*

- 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. AWS API Gateway was used 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 parse through several food websites, categorizes and displays snacks from various Asian cultures.

*Jun. 2019 - Sep. 2019*

- 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 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.

## LANGUAGES AND TECHNOLOGIES

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<b>Familiar</b>	Java, Python, JavaScript, SQL, NoSQL, C, TypeScript, Bash, HTML, CSS, R, Latex
<b>Software</b>	Git, AWS, Angular, Node.js, Express, Spring, JavaFX