Raymond Huang

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EDUCATION

Stony Brook University — Stony Brook, NY
Bachelor of Science in Computer Science: GPA: 3.61/4.00 — *Aug 2017 - Present*

EXPERIENCE

Software Development Engineer Intern — Seattle, WA
Amazon Web Services — *Jun 2020 - Aug 2020*
- Designed and created a tool to allow customers to manage their Amazon QuickSight data in a version control style system.
- Allowed customers to export/import their data in YAML format, and generate a diff of the changes made.
- Deployed in AWS Lambda (triggered by Step Functions) which retrieves/parses a YAML file from S3 and performs the necessary tasks asynchronously.

Full Stack Web Development Intern — Hauppague, NY
FragranceX — *Jun 2019 - Aug 2019*
- Designed system to provide customer recommendations by implementing Microsoft's Product Recommendation API to retrieve products based on customer transactions.
- Developed a chat bot by implementing a custom designed API to assist users in finding desired products, and generating tickets to customer support.
- Utilized C# and .NET platform to improve user experience by remodeling layout of user interface for internal applications.

Computer Science Mentor — Stony Brook, NY
OYOclass — *Feb 2019 - Present*
- Provide guidance to a large community of students, K-12 on programming topics to teach students proficiency in programming languages including Java, Python, HTML/CSS and more.
- Mentor students by evaluating and providing feedback on challenging programming assignments
- Evaluate and award top submissions to various categories at hackathons across 10 districts on Long Island.

Lead Student Technician — Stony Brook, NY
Stony Brook University Division of Information Technology — *Feb 2018 - Dec 2019*
- Individually selected to oversee, train and mentor over 60 technicians on procedures to resolve tickets in multiple technical support areas.
- Utilize a cloud based ITSM application to report, resolve, and route support tickets.
- Resolve software issues through OS re-imaging, diagnostics, virus scans and data backups.
- Provide front-line support to university staff/faculty and student owned machines for software/hardware issues and installation/deployment.

PROJECTS

- **Congressional District Optimizer (HTML, React, Bootstrap, Leaflet, Java, Python, SQL)**:
  - Website that allows users to generate fair congressional district borders based on selected minorities to analyze.
  - Implemented an algorithm to redistribute precincts based on minority population amongst various states.
  - Designed a UI to allow users to manage and view results of various generated districtings.
  - Used Leaflet to display borders of generated districts, minority heat map, and population data of selected minorities.

- **E-Commerce Website (Flask, HTML, Bootstrap, JavaScript, SQL)**:
  - Created a custom catalog of items with different options for customer and employee accounts.
  - Customers can add items to their shopping cart/wish list, review and return items, change their personal information, view their past orders and more.
  - Employees can add/edit/remove inventory items, view customer orders, process returns, manage reviews, and more.

SKILLS

- **Programming Languages**: C#, CSS, HTML, Java, JavaScript, Python, React, SQL
- **Other**: Git, Mac OSX, Windows