Raymond Su

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EDUCATION

University of Washington	Seattle, WA
MS, Information Management	2021-2023

Award: Information School Scholarship

Courses: Data Science, Machine learning, Database Management Systems, Social Media Analysis

Soochow University	Taipei, Taiwan
BBA, Computer Science and Information Management	2016-2020

Courses: Data Structure, Algorithm, Object-Oriented Programming, Operating System, Software Engineering

EXPERIENCE

Washington Technology Solutions (WaTech)	Seattle, WA
Software Engineer	Dec 2022 – May 2023

- Leveraged Python scripting to seamlessly connect the Socrata API, automating the data retrieval process, ensuring timely updates to portal datasets, and saving the team approximately 25 work hours per week.
- Developed end-to-end data pipelines with Azure Blob Storage, resulting in a 60% increase in efficiency in updating portal datasets, thereby reducing manual effort and streamlining data management processes.

Jetson, Ventured-backed Start-up	Kirkland, WA
Software Engineer Intern	Jun 2022 – Aug 2022

- Collaborated with a senior engineer to enhance product features and functionalities for the Jetson mobile app, utilizing ReactJS to develop and maintain the application for both Android and iOS platforms. Consistently troubleshooted known issues and successfully resolved an average of 10 bugs per week.
- Achieved a 10% monthly increase in website traffic by integrating a Snapchat API sharing feature, enhancing user engagement and enabling seamless content sharing.
- Conducted a comprehensive analysis of production bottlenecks to optimize the efficiency of the Jetson mobile app. Integrated a CRM system API using Python and proposed improvements that resulted in a 15% increase in sign-up rate.

Fubon Life Insurance Co.	Taipei, Taiwan
Software Developer Intern, IT Operation Management Department	July 2018 – Aug 2018

- Developed an automation program using Python that reports daily system alerts to JIRA. Saved 40 work hours per week for 20 people in the team.
- Collaborated with a team of developers, security engineers, and project managers in a cross-functional environment, effectively managing project timelines and resources to successfully complete the project 2 weeks ahead of schedule within an 8-week timeframe.

PROJECT

Sorting Visualizer - _Website_	May 2024

- Developed an interactive web application using React JS and Node JS to visualize sorting algorithms such as Merge Sort, Quick Sort, and Heap Sort.
- Integrated sorting algorithms with animations for step-by-step visualization, enhancing user understanding and engagement.

r/WallStreetBets Key Opinion Leaders Analysis	Mar 2022 – June 2022

- Perform an in-depth analysis of user interaction on r/WallStreetBets during the GameStop short squeeze event in 2021, utilizing Python for high-frequency words, named entity, and topic modeling to identify Key Opinion Leaders.
- Classified the characteristics of most popular submissions on r/WallStreetBets, using Python-based TF-IDF matrix and deep sentence embedding, predicting the types of submissions that could become viral and anticipating the next potential similar event.

SKILLS

Programming	Python, Java, TypeScript
Web & Database	JavaScript, React.js, HTML5, CSS, SQL, MongoDB
Tech & Other	JIRA, Git, Node.js, Docker, REST API, AWS