
Jessica Wu

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Laytonsville, Maryland

EDUCATION

University of Maryland · B.S. in Computer Science

Expected Dec 2023

- GPA: 3.85
- University Honors Program
- Minor: Statistics, Business Analytics
- Relevant Coursework: Object Oriented Programming I/II, Databases for All, Introduction to Computer Systems, Algorithms, Organization of Programming Languages, Introduction to Data Science, Introduction to Artificial Intelligence, Advanced Data Structures, Database Systems, Data Modeling, Programming Handheld Systems (iOS), Introduction to Statistical Computing with SAS, Introduction to Linear Algebra, Discrete Structures, Applied Probability and Statistics I/II

WORK EXPERIENCE

Chewy · Software Engineer Intern

Jun 2023 – Aug 2023

- Conducted chaos testing for the header and footer, injecting API errors using Java to ensure system resilience
- Developed the API error code fault, fault injection, and customized the percentage probability to simulate injection failures
- Implemented integration tests to validate fault injection behavior; evaluated system performance by methodically introducing API errors via Postman and executing comprehensive chaos tests within the Jenkins pipeline
- Integrated responsive design principles to elevate homepage UI, enhancing user experience and engagement

Akira Technologies · Data Science Analyst Intern

Sep 2022 – Present

- Building and maintaining a customizable data pipeline by integrating records from data sources to analyze covid trends
- Enhanced data pipeline with observability to swiftly flag and detect anomalies, ensuring data integrity

Motorola Solutions · Pre-Sales System Engineer Intern

May 2022 – Aug 2022

- Developed internal tools in JavaScript to automate and simplify daily tasks by 75% using Google Scripts, simplified creating formula-free excel files, instantly created master sheets, and generated professional emails to send based on a questionnaire
- Collected each Nitro project's data to create a master sheet for all current projects; analyzed various trends based on each project's characteristics; created a report of trends, charts, and pivot tables based on the data
- Designed and quoted radio frequency systems to channel partners: processed orders and assisted from pre-sale to post-sale

Leidos · Security Engineer Intern

Feb 2022 – May 2022

- Gained hands-on experience in basic hardware Security Functional Requirements for products
- Conducted testing and physically tampered with evidence for critical criteria

PROJECTS

Squirrel.IO

Jan 2023 – May 2023

- Developed an iOS social media application for local UMD students to post and share pictures of campus squirrels using Swift
- Implemented Cloud Firestore as the backend database to efficiently store and retrieve post data

Analysis on UMD Grade Data

Oct 2022 – Dec 2022

- Collected data using PlantTerp API; interacted with it by sending HTTP GET requests to endpoints with specified parameters
- Created visualizations to compare and analyze the shape and tendencies of our data in the CS department

PyTracker

Jul 2021 – Present

- Webpage will be built using React (currently in HTML/CSS)--renovations to come; data stored in MySQL database

ACTIVITIES

Taiwanese American Student Association · Junior Officer

Sept 2020 – May 2021

- Assisted in planning and leading general body meetings; volunteered in events; promoted events for TASA

SKILLS

Technical Skills

Java, Python, SQL, C, HTML/CSS, JavaScript, R, MIPS Assembly, LaTeX, MATLAB, SAS, Unix/Linux

Non-Technical Skills

JUnit, Git, Jupyter Notebook, Docker, Postman, Jenkins, Atlassian Tools, Firebase