

Marin Maksutaj

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EDUCATION

University of Arizona — GPA: 3.92

Tucson, AZ

Bachelor of Science in Computer Science, Summa Cum Laude

Aug 2020 – May 2024

- Dean's List With Distinction (Fall 2020, Spring 2021, Fall 2021, Fall 2022, Spring 2023)
- Relevant Coursework: Software Engineering, Algorithms, Principles of Operating Systems, Web Programming, Cloud Computing, Mobile Application Programming (Android), System Programming + Unix, Object Oriented Programming and Design, Database Design, Neural Networks
- CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference Participant (2023)

EXPERIENCE

Software Development Engineer

June 2024 – Present

Amazon (AWS Deadline Cloud)

Seattle, WA

- Migrated the fraud account detection system from a Java Lambda solution to Python, improving latency spikes by 65%
- Load tested the SSO login solution using EC2 multihost with JMetering
- Enhanced service resource metering, providing improved usage metrics for customers

Software Development Engineer Intern

May 2022 – Aug 2023

Amazon

Seattle, WA

- Contributed to Amazon Deadline Cloud, a new AWS cloud rendering service for Media & Entertainment customers
- Developed a performance test for A/B testing the new Virtual File System in rendering jobs
- Compiled a final performance report showing 80% faster rendering and 96% fewer S3 file downloads
- Provided integration testing into pipeline to ensure continuous performance testing of the VFS rendering approach
- Received honorable mention for the employee recognition award during the organization-wide All Hands meeting

Amazon

Seattle, WA

- Part of Amazon Nimble Studio, under Amazon Web Services
- Worked with the team to add new features to the product, such as Resource metric emission, setting up alerts, etc.
- Utilized AWS technologies and programming languages such as AWS Lambdas, EC2, DynamoDB, Python, etc.
- Pushed the changes through all the stages of production, and feature can be used by the customers

Student Web Developer

Jul 2021 – May 2024

University of Arizona Main Library

Tucson, AZ

- Performed content management system and framework upgrades
- Completed stakeholder requests such as adding accounts, editing web content, and described system integrations
- Contributed Django code and documentation to active projects

Google Developer Student Club Lead

Aug 2020 – Aug 2022

University of Arizona

Tucson, AZ

- Part of the DSC at the University of Arizona, leading a team of 8 core members
- Helped organize workshops on various topics including web development and machine learning
- Increased the club member count by 40%, to a total of 190 members since the beginning of my time as a core member
- Established connection with 4 UofA clubs: Women in Computer Science, Game Developer Club, IdeaLab, and Society of Hispanic Professional Engineers club

Research Assistant

Feb 2021 – May 2021

VIP Holodeck Research Team, University of Arizona

Tucson, AZ

- Investigated Tangible Activities for Geometry System (TAG), a robotic teachable agent platform
- Created a solution to extract and analyze data coming from participants interactions with the target applications
- Incorporated the Chalktalk AR environment with the robot using MQTT protocol

PROJECTS

Social Space | *React.js, Node.js, MongoDB, GraphQL, Heroku*

Jun 2021

- Developed a Full-Stack social media app using Node.js/MongoDB/GraphQL for back end, and React.js for front end
- Implemented JWT auth for user authentication
- Integrated MongoDB to store the user's posts, comments, upvotes, etc.

Quote Saver | *Bootstrap, PHP, MariaDB, Heroku, Git*

May 2021

- Developed a simple Quote Saver using PHP for the back end, and HTML+Bootstrap for the front end
- Utilized the MVC architecture to structure the project
- Implemented authentication using PHP and MariaDB to safely store encrypted user data

SKILLS

Programming Languages: Java, C / C++, Python, JavaScript, PHP, SQL

Web Technologies: React.js, Node.js, Express.js, GraphQL, JQuery, MongoDB, WordPress, Drupal

Developer Tools: Git, Heroku CLI, Postman, Docker, Google Cloud Platform, Amazon Web Services (Certified Cloud Practitioner and Solutions Architect)