Maddie Mihevc

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Education

Masters of Science in Computer Science January 2021 - Current
Colorado State University *Fort Collins, CO*

Bachelor of Science in Applied Computing Technology December 2020
Colorado State University, GPA: 3.6 *Fort Collins, CO*

Experience

Front End Developer June 2020 – Present
Attica Voting *Fort Collins, CO*

- Developed web-based voting application that utilizes React, Material UI and JavaScript, along with tools such as React Hooks, axios, Webpack, and React Router.
- Consulted on development of Express based backend that is implemented using Hedera Hashgraph's Consensus algorithm and the integration with SAML in order to ensure authentication security.
- Created static website using Squarespace in order to provide information about our purpose.

Graduate Research Assistant January 2021 – Present
Colorado State University, Department of Computer Science *Fort Collins, CO*

- Researched practices, such as pair programming and retesting, to improve retention of minorities.
- Developing a web based application to integrate with a learning management system that enables students and professors to keep track of student outcome scores.

Lead Undergraduate Teaching Assistant January 2019 – December 2020
Colorado State University, Department of Computer Science *Fort Collins, CO*

- Developed new workflow for department scheduling of undergraduate TAs, such as assignments and office hours.
- Designed new labs and assessments for students in attempt to increase retention across semesters.
- Mentored team members to promote independence and work place success within the department.

Projects

Blockchain Gambling Application June 2020 – Present

- Designed and developed the user interface that allowed the users place bets during an a certain time period and withdraw from the shared pool when time was up.
- Worked on the integration of the user interface with solidity contracts, so each bet is stored on the blockchain.

World Wide Trip Optimizer January 2020 – May 2020

- Collaborated with four person team in a Agile environment to produce an intuitive trip planning website.
- Developed a modern UI for both desktop and mobile layouts with the use of React, MaterialUI, and Webpack.
- Tested and managed code through use of technologies such as Jest, JUnit, Maven, and TravisCI.

Intervention System January 2020 – May 2020

- Developed system in Kotlin, as part of a research project, to send out either general or personalized emails based on student outcome scores; then tracked which helpful links students clicked on in the emails to determine which email format student's found more beneficial when it came to uunderstanding the material.
- Used Firebase and the Google Cloud Platfrom to maintain the underlying database that kept tracked of the students in the class, which group they were apart of, and the links they clicked on.

Technical Qualifications

Languages: Java, JavaScript, C++, C, PHP, jQuery, SQL, Python, Perl, Kotlin
Frameworks / Libraries: Node, React, Material UI, Webpack, Rest API, Jest, JUnit, Maven, Gradle, MongoDB, MySQL, Selenium, Mockito, Express
Tools: Linux, Scrum, Jetbrains IDEs, Eclipse, Git, GitHub, ZenHub, Code Climate, Travis, Docker
Engineering Principles: Agile Development, Object Oriented Programming, Test Driven Development, Unit Testing, Coverage Testing, Continuous Integration/Deployment