TAMMY VO

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SUMMARY

A creative and ambitious computer science graduate with skills including agile project development, web development, and database management. Strong foundation in math and programming logic. Passionate about problem solving and design. Inspired to gain more knowledge about the world of computer science and software development.

EDUCATION

Bachelor of Science in Computer Science, Minor in Mathematics ***09/2018 - Graduated: 06/2020***
University of Washington, Tacoma WA ***GPA 3.74***

Relevant Courses: Artificial Intelligence, Client/Server Programming for Internet Applications, Data Structures, Database Systems Design, Design and Analysis of Algorithms, Probability and Statistics in Engineering and Science

TECHNICAL SKILL

Programming Languages: Java, JavaScript, HTML, CSS, MySQL, C, Python, PHP, R
Tools: Eclipse, MS Visual Studio, SVN, JUnit Testing, SolidWorks, JSON, Virtual Machine, Git, RStudio, Bootstrap, REST APIs
Database Management: MS SQL Server
Operating Systems: Linux, Mac OS X, Windows

PROJECTS

DIY Home Planner, Group Project *Java*

- Created an application to help creative individuals with planning and organizing their DIY projects.
- Led and managed an agile team of four, ensured user stories and business rules were met to satisfy the client's expectations.
- A description panel was developed using Java Swing to display information about the DIY projects in the user interface.
- In the backend, a class was created to store all the materials with its name and the cost.

MIPS Simulator, Group Project *HTML, CSS, JavaScript*

- Created a MIPS Simulator to replicate the execution of assembly code in MARS.
- Used Lucidchart to design the UML diagram, showcasing the relationship between the frontend and backend components.
- Created a drop-down menu to list all the instructions for the user to access.
- Built functions and test cases for immediate, arithmetic, logical, and conditional instructions.

Tic-Tac-Toe AI, Personal Project *JavaScript*

- Implemented an Agent to play Tic-Tac-Toe against its opponent.
- Have the Agent choose the most optimal path through the minimax algorithm.

Art Store, Personal Project *HTML, CSS, PHP*

- Built a two-paged website to display artwork for purchase.
- PHP form handling is used to process customer's data.

RESEARCH

MQTT vs. HTTP in IoT, Research Project *Python*

- Used Node-RED to send data from a Raspberry Pi temperature sensor to the IBM Watson IoT Cloud.
- Recorded the response time between MQTT and HTTP to compare protocols.

ACTIVITIES

Rainlite | IOT Narrowband Hackathon - T-Mobile **03/2019**

- Assisted with using Arduino as a tool to build a prototype that prevented car crashes during heavy rainfalls.
- Used HTML and CSS to create the representation for streetlights when heavy rainfalls exist.

WICS - Women in Computer Science | Member **10/2018 - 03/2020**

- Participated in discussions revolving around representation for women and minorities in the technology industries.

HuSCii Coding | Member **10/2018 – 03/2020**

- Participated in meetings centered around learning about resources to further programming skills for future career success.

ACHIEVEMENTS

- **Dean's List:** Winter 2019, Spring 2019, Summer 2019, Fall 2019, Winter 2020