TAMMY VO

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SUMMARY

A creative and inquisitive computer scientist with skills including database management, agile project development, and web development. Strong foundation in math, logic, and programming. Passionate about problem solving and design. Flexible and adaptable to work in changing environments. 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 3.75*
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, Software Development and Quality Assurance Techniques

TECHNICAL SKILL

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

PROJECTS

DIY Home Planner, Group Project   *completed*

- Used **Java** to create an application targeted towards self-projects. Led and managed an agile team of four, ensured the quality and completion of the project. User stories and business rules were met to satisfy the client's wants and needs.

Tic Tac Toe AI, Personal Project   *completed*

- Used **JavaScript** to implement an Agent that will play Tic-Tac-Toe and choose the most optimal path through the minimax algorithm.

Art Store, Personal Project   *completed*

- Used **HTML**, **CSS**, and **PHP** to build a two-paged website to display artwork for purchase. PHP form handling is used to process customer's data.

Share Your Travels, Personal Project   *completed*

- Used **jQuery, JavaScript,** and **JSON** to create a web page that showcases traveling photographs.

RESEARCH

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

- Used **Python** and **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
- Used **C** in Arduino as a tool to build a prototype that prevented car crashes during heavy rainfalls. Used **HTML/CSS** to create the representation for streetlights when heavy rainfalls exist.

Earth Defenders | Space Apps Hackathon - NASA   10/2019
- Used **JavaScript** to create an educational interactive game that raises awareness about orbital debris, competed against 29,000 participants worldwide.

WICS - Women in Computer Science | Member   10/2018 - 03/2020
- Participates in developing projects focused on expanding programming skills, while providing representation for women and minorities in the computer science field.

HuSCii Coding | Member   10/2018 – 03/2020
- Participates in meetings that center around learning more about resources to further programming skills for future career success.

VOLUNTEER

CoderDojo - Expedia Inc. | Facilitator   02/2019 - 06/2019
- Assist students ages 5 and older in coding projects that include Scratch Programming, Hour of Code, Python Animation Class, and Code Camp.

ACHIEVEMENTS

- **Dean's List:** Winter 2019, Spring 2019, Summer 2019, Fall 2019, Winter 2020
- **Vice President's Honor Roll:** Fall 2016, Spring 2018