Abdullah Mohammad

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Education

University of Washington – **Paul G. Allen School of Computer Science** - *Seattle, WA* *Junior*
B.S. in Computer Science, Minor in Entrepreneurship – GPA: 4.0 *Graduation: June 2020*

Relevant Completed Coursework:
Java I & II: Algorithm concepts, Data Structures, Classes/Inheritance, Object-Oriented Programming
The Hardware/Software Interface: Memory management, Assembly, Caches, C Programming
Data Structures: Data Structures & ADTs, Big-O Analysis, Parallelism, Graph Algorithms, Concurrency
System and Software Tools: Command-Line Interface, Shell-Scripting, Linux/Unix Programming

Additional Coursework Through Spring 2019:
Software Design/Implementation, **S**ystems Programming, **A**lgorithms, **D**ata Structures

Bellevue College – *Bellevue, WA* *June 2018*
Associates Degree in Computer Science – GPA: 4.0 – Running Start/Dual-Enrollment

Technical Projects

Home Automation – *STEM-to-Stern Cohort, Bellevue College* *October 2017 – June 2018*
Developed home automation system and user interface using Arduino and RaspberryPi
- Implemented MQTT protocol in Java/Python to enable control of common home features
- Collaborated with CS faculty and two fellow classmates in an Agile Scrum work environment
- Presented final product to about 100 people at the STEM-to-Stern cohort End-of-Year Event

MNIST Machine Learning Project *October-December 2017*
Implemented neural networking in a Java program to teach a computer to recognize handwritten digits
- Trained the computer by using a training set of 60,000 samples in the MNIST database
- Assembled multiple libraries and over 1,000 lines of code to analyze test data and improve results
- Achieved a program accuracy of 97% and implemented a GUI interface to facilitate user testing

HTML/CSS Project and Github *(link to website: https://duseattle.github.io/)* *August 2018*
- Self-taught HTML and CSS to develop a personal website
- Published website on UW vergil student server and Github Pages
- Created personal Github portfolio using Bash/Terminal

Work Experience

Prayer Leader and Youth Events Director – *Islamic Center of Redmond (ICOR)* *Redmond, WA*
- Organize youth socials and educational programs and lead prayers during Ramadan *Oct. 2015 - Present*

Tutor – *MathLab and Academic Success Center – Bellevue College* *Bellevue, WA*
- Provide individualized math coaching for students in a drop-in tutoring environment *Mar. '17 – Jun. '18*

Technical Skills

- **Languages:** Proficient **(Java),** Intermediate **(C, HTML, CSS, JavaScript, Bash/Terminal),** Basic **(Python)**
- **Applications: Arduino, RaspberryPi, Unix, Android Studios, Latex**

Extracurriculars

Advisory Council Muslim Student Association at UW
Treasurer Rocketry Club at Bellevue College
UW Car Club Associate Member
Founding Member UW Machine Learning Society

Honors

UW Presidential Scholarship: 1 of 4 to be awarded
Direct Admit to Allen School of Computer Science at UW
Valedictorian Washington Virtual Academy High School
Top 10 National Quran Competition