

# 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: 3.5** **Graduation: June 2021**  
**Relevant Completed Coursework:**  
**Java I & II:** Algorithm concepts, Data Structures, Classes/Inheritance, Object-Oriented Programming  
**Data Structures:** Data Structures & ADTs, Big-O Analysis, Parallelism, Graph Algorithms, Concurrency  
**Systems Programming:** C/C++ Programming, Memory Management, Network Programming, POSIX  
**Android Programming:** App Development, Interaction Programming, Accessibility, HCI  
**Additional Coursework Through Spring 2019:**  
Networks, Algorithms, Machine Learning, Computer Security, Programming Languages  
**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 2018**  
**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 2019**

- 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, C++, HTML, React, JS, 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