

Tyler J. Dao

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Education

University of Washington, Seattle, WA

June 2021 (Expected)

Bachelor of Computer Science & Engineering (Data Science)

Relevant Courses: CSE 142-143, CSE 311, CSE 331, Math 126, Math 308, PHY 121

Skills

Programming Languages:

- Java
- Python
- JavaScript
- HTML/CSS

Additional Languages:

- English (fluent)
- Cantonese (conversational)

Relevant Experiences

REU Intern, Project Sidewalk

June 2019 – September 2019

- Conducted research on a web-based accessibility website where crowdsourced workers would label various sidewalk accessibility obstacles or needs in a street view panorama.
- Utilized Python and Scikit Learn to develop machine learning models with features based on user interaction data and inputted label data to predict user accuracy and engagement.

Teaching Assistant, Allen School of Computer Science & Engineering

September 2019 – Present

- Instructed 25+ underrepresented engineering students in intro to computer programming
- Graded homework, exams, and held office hours

STARS Scholar, State Academic Red Shirt Program (STARS)

September 2017 – June 2019

- Highly competitive engineering enrichment program for Washington state students from underserved high schools. STARS utilizes a holistic model to build a strong foundation in math and science to ensure success in engineering and computer science.

Participant, DubHacks 2019

October 2019

- Created a program with my team to check a website's accessibility to people with disabilities by parsing their HTML and CSS code

Student Researcher, AccessMap

October 2018 – March 2019

- Collected and analyzed GPS and LIDAR information using Python and QGIS

Instructor, Coding with Kids

May 2018 – August 2018

- Taught ~20 children aged 6-10 foundational coding concepts, computer skills, and how to construct their own coding projects

Programmer, First Robotics Competition

September 2015 – June 2016

- Prototyped the robot using SolidWorks CAD
- Programmed the robot using Java with autonomous capability, maneuverability over various obstacles, and shot balls into a target

Co-founder/Co-lead tutor, Student Interdisciplinary Tutoring

September 2015 – June 2016

- Co-founded a tutoring program for elementary schools to support students who previously performed poorly on state standardized tests through a six-month curriculum
- Engaged students in one-on-one sessions and in groups of 4 to develop their mathematics, critical reading, and cognitive reasoning skills

Other Experiences

Cook & Prepcook, Midici, Lynnwood, MA

July 2018 – October 2018

- Managed multiple workstations in a fast-paced kitchen
- Worked 15 hrs per week during the school year, 26 hrs per week in the summer