

AAKASH SHAMEER SRAZALI

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EDUCATION

B.S. Computer Science, University of Washington (UW) | 3.70 GPA | September 2019 – June 2023

Key Modules: Java Programming I & II, Data Structures & Parallelism, Foundations of Computing I & II, Software Design and Implementation, The Hardware/Software Interface, Systems Programming, Programming Languages, Computer Graphics, Data Visualization, Data Management, HCI, Algorithms, Operating Systems and Networks

American Degree Program, Taylor's University | 3.96 GPA | June 2018 – May 2019

Malaysia Certificate of Education (SPM), Sri Bestari Schools | 4.00 GPA (9A+) | January 2007 – December 2017

WORK EXPERIENCE

Undergraduate Teaching Assistant | UW CSE Department | January 2022 – Present

- Taught CSE 351: Hardware & Software Interface, CSE 333: Systems Programming & CSE 442: Data Visualization
- Provided support to students by helping them to learn and understand the course material through holding weekly office hours, teaching weekly quiz sections, and by answering questions during lectures or on discussion boards.
- Assisted the Professor in coming up with lesson plans, exams, sections slides and by grading assignments
- Maintained and updated the class course website with new resources that would be of great help to the students.

Sudoku Web Development Team | Sensors, Energy, and Automation Laboratory (SEAL) UW | June 2022 – Present

- Deployed the entire SEAL research team's website and initiated a complete redesign of the old SEAL's website.
- Complete task given by supervisor in terms of any script or website improvements in terms of HTML, CSS or JavaScript.
- Handle Backend and Frontend for the websites and systems of subsidiary organizations under the lab

Virtual Software Engineering Intern | J.P. Morgan Chase | September 2022 – September 2022

- Formulated a data analysis system and interface based on stock price data
- Implemented the Perspective open-source code to perform data visualization and create a trading dashboard chart
- Analyzed and studied Perspective open-source code in order to make a contribution to the Perspective backlog

Classroom Technician Lead Supervisor | UW Academic Technologies | January 2020 – March 2022

- Ensure the technology and facilities in classrooms are in good working order through routine checks. As well as troubleshoot and report any faulty equipment that belongs to the University of Washington.
- Supervise other technicians in troubleshooting and replacing any classroom equipment.

Information Technology Internship | Hilti Malaysia | June 2021 – September 2021

- Responsible for daily development in the IT department. Worked on projects ranging from Data Science, Cloud Computing, and Software Engineering while solving real-life problems in an international enterprise
- Developed front-end web pages by using HTML, CSS, and JavaScript, taking advantage of frameworks like Angular
- Developed and configured hardware and software environment for testing procedures
- Used GIT for version controlling and maintaining the application source code.

Perdana Fellow Internship | Ministry of Tourism, Arts and Culture (MOTAC), Malaysia | July 2020 – October 2020

- Attached to the Minister of Tourism, Arts and Culture's Office of YB Dato Sri Hajah Nancy Shukri
- Assisted the Minister and her officers in performing tasks such as speechwriting for Parliamentary debates and government events. I also organized official events, prepared her schedule, attended weekly Parliamentary meetings, and was given the responsibility to handle the Minister's social media platforms.

SCHOLARSHIPS AND AWARDS

Microsoft Endowed Scholarship | UW CSE Department | 2022 – 2023

- Awarded undergraduate scholarship by Microsoft Corporation through the UW CSE Department.

Yayasan Telekom Malaysia Future Leaders Scholarship Award | Telekom Malaysia Berhad | 2018 – Present

- Awarded full scholarship to study abroad at the United States, given from excellent academic achievement. Only 4 selected nationally to study abroad.

CODING PROJECTS

Campus Map | Web Application | June 2021

- Created a GUI to track visually draw maps around the UW campus with Directed Graph data structure and Dijkstra's algorithm using Java Spark backend and React frontend.

aakashshameer.com | Personal Website | September 2021

- Created my personal website as my summer project to showcase my portfolio as well as projects and resume. Built with HTML and JavaScript while being hosted on Netlify, to have my personal domain.

Impressionist | Interactive Program | November 2021

- Created an interactive program that takes user's existing images and make them look like impressionistic paintings with paints a sequence of "brush strokes" onto a blank pixel canvas. Built using OpenGL, image manipulation, primitives, user-interface design, and image processing

LANGUAGE, TECHNICAL SKILLS AND INTERESTS

Languages: English and Malay

IT Skills: Java, C, C++, Python, OpenGL, HTML, JavaScript, React, OCaml, Racket, SQL, R and Git

Interests: Programming, Chess, Chinese Chess, Poker, Football, Tennis, Formula 1 and Fantasy Football