

ILIJAS ALABDULAAL

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EDUCATION

Bachelor of Science in Computer Science, Certificate in Data Science

Anticipated: May 2024

University of Wisconsin-Madison (UW-Madison)

- Relevant Coursework: *Data structures, Calculus and Analytical Geometry I/II, Discrete Math, Machine Organization, Operating Systems, Linear Algebra, Artificial Intelligence, Algorithm Design & Analysis, Statistics*
- GPA: 4.0, Dean's List: Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022

Recipient – KAUST Gifted Student Program (KGSP) Scholarship

June 2020 – Present

- KGSP is a prestigious scholarship awarded by the King Abdullah University of Science & Technology (KAUST) a select group of 150 Saudi students, allowing them to pursue undergraduate degrees in STEM fields in the US, and return to KAUST to complete their graduate studies

EXPERIENCE

Frontend Developer

Dow Inc., KAUST

June 2022 – August 2022

- Developed a calculator for a Dow coating product through JavaScript and HTML5, which was integrated into Dow.com and released to the general public
- Built the 2nd version of an employee recognition award app for a Dow business segment in Power Apps
- Worked on data analytics in SAP HANA and Power BI. Created an interactive dashboard with data visualizations

Cryptography and Research Intern

University of California, Irvine

June 2021 – July 2021

- Assisted research projects under the supervision of Prof. Ian Harris with a team on Electronic Design Automation and Cryptography from Natural Language, Embedded Systems, and Cyber Security
- Implemented a cryptographic algorithm in Python that takes input text and produces an encryption of the input

Firmware Team Member

Wisconsin Racing

September 2021 – April 2022

- Updated and debugged the code for the new steering wheel screen on the electronic car
- Assisted in developing the transmission module code

KGSP Peer Support Guide

May 2021 – Present

- Nominated and selected as a PSG 3 years in a row to help guide the new cohort of students coming into KGSP.
- Supported and supervised 75+ students through text groups, taking part in meetings and presentations, answering inquiries, and overall serving as a role model

PROJECTS

Distributed Network Filesystem

December 2022

- Created a client library to manage UNIX filesystem images in a network with a teammate, programming in C
- Built a filesystem image editing program that runs on a server and is natively used by client library functions
- Protocol used to send and receive packets to the server is UDP

Airport Path Finder

November 2021

- Coded the frontend of an app that gives the user the shortest flight route from one US airport to another, as well as the price and total duration, while collaborating with 3 other team members
- The backend data structure was the shortest path algorithm (Dijkstra's algorithm), and the frontend was JavaFX

SKILLS

Computer: Java, Python, Scikit-learn, C, Git, HTML5, JavaScript, R, Linux/Unix, Bash, MySQL, Power BI, Power Apps
Language: Fluent in English, Japanese, and Arabic