

Alhaitham Al Jabri

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in /in/alhaitham/

EDUCATION

University of Minnesota-Twin Cities

B.S. Computer Science, GPA: 3.56/4.00

Minneapolis, MN

Jan 2017 - Dec 2020

Relevant Coursework:

- CSCI 5421: Advanced Algorithms and Data Structures
- CSCI 5611: Animation and Planning in Games
- CSCI 4511W: Introduction to Artificial Intelligence
- CSCI 4131: Internet Programming
- CSCI 4707: Practice of Database Systems
- CSCI 3081W: Program Design and Development

EXPERIENCE

Department of Public Safety, University of Minnesota-Twin Cities

Student Security Monitor

Minneapolis, MN

Sept 2016 - Aug 2017

- Monitored buildings and checked for all doors and windows and ensured their safety.
- Investigated any matter of rule violation and complaints.
- Detected suspicious activities and watched for criminal acts and rule infractions.

PROJECTS

Buy and Sell Web Application - Coursework:

Sept 2019

- Built an interactive Flask web application that allowed students to sign up and log in to the website.
- Developed the app to allow students to sell and buy books and publish events on the website.
- Incorporated the use of multiple frameworks and libraries such as SQLAlchemy, WTForms, and Bootstrap.

Single Agent Navigation AI Simulation - Coursework:

Jul 2020

- Developed an app using Processing framework that simulates single-agent navigation system.
- Built a 3D graphic window that displays a moving boat navigating between obstacles.
- Allowed the user to specify the starting and the ending positions of the agent or assigned it randomly by the program.

Boids and Flocking Simulation - Coursework:

Jul 2020

- Created multi-agent flocking simulation using processing framework.
- Simulated systems of multiple interacting particles in 2D.
- Allowed the user to interact with the simulation using a mouse or keyboard for a better user experience.

SKILLS

Languages and Frameworks

- Java, Javascript, HTML/CSS, C/C++, Python, Ocaml, SQL, x86 Assembly and Flask.

IDEs

- Emacs, IntelliJ, Clion, Atom, Visual Studio/Code and XCode.

LEADERSHIP

- Member, Association for Computing Machinery

Jan 2017 - Sept 2019

- Member, Omani Students Union

Jan 2017 - Sept 2020

AWARDS

- College of Science and Engineering Dean's list

Fall 2019 and Spring 2019

- Ministry of Higher Education - Oman, Full-ride merit scholarship to attend the UMN

Sept 2015