

Alhaitham Al Jabri

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EDUCATION

University of Minnesota-Twin Cities

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

Minneapolis, MN

Dec 2020

Relevant Coursework: Advanced Algorithms and Data Structures (Grad). Animation and Planning in Games (Grad). Introduction to Artificial Intelligence. Internet Programming. Practice of Database Systems. Programming Graphics and Games. 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 to ensure safety.
- Investigated any matter of rule violation and complaints.
- Detected suspicious activities and watched for criminal acts and rule infractions.

PROJECTS

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.

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.

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.

SKILLS

Programming Languages and Frameworks

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

Development Tools

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

Spoken Languages

- Arabic (native), Korean (elementary).

LEADERSHIP

- Member, Omani Students Union

Jan 2017 - Sept 2020

- Member, Association for Computing Machinery

Jan 2017 - Sept 2019

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 college

Sept 2015