

# Alhaitham Al Jabri

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## EDUCATION

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### University of Minnesota-Twin Cities

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

Minneapolis, MN

*Jan 2017 - 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

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### 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

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### 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

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### 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), and Korean (elementary).

## LEADERSHIP

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- Member, Omani Students Union

*Jan 2017 - Sept 2020*

- Member, Association for Computing Machinery

*Jan 2017 - Sept 2019*

## AWARDS

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- 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*