# Alhaitham Al Jabri

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## EDUCATION

**University of Minnesota-Twin Cities**      **Minneapolis, MN**
*B.S. Computer Science,* ***GPA: 3.56/4.00***      *Jan 2017 - Dec 2020*

**Relevent 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**      **Minneapolis, MN**
*Student Security Monitor*      *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

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

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

## 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 the UMN**      *Sept 2015*