

MAZEN ALOTAIBI

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EDUCATION

Oregon State University *College of Elect. Eng. & Comp. Sci.*

Corvallis, OR (Sep, 2015 - Present)

B.S. in Computer Science Applied in Artificial Intelligence, with Minor in Actuarial Science (GPA: 3.7/4.0).

- **Core Courses:** Objected-Oriented Programming, Data Structures, Algorithms, Databases, Computer Networks, Operating Systems, Artificial Intelligence, Parallel Programming, Machine Learning and Data Mining, Discrete Mathematics, Linear Algebra, Probability, Statistics, and Numerical Analysis.

ACADEMIC AND PERSONAL PROJECTS

Self-Driving RC Car

May, 2018 - Present

<https://github.com/OSUmlaclub/SelfDrivingRCCar/tree/mazen>

- Wrote a web app that streams a live-feed and displays a controller using **Node.js**, **JavaScript**, and **Python** a **Raspberry Pi** through hotspot and web socketing.
- Researched and cleaned a set of datasets in a cloud-server to be used to train the machine learning model.
- Built the structure of the intelligent agent.

Image Classification (*Academic*)

May, 2018

Cannot-be-published

- Wrote an MLP Multiple Layer Neural Networks using **Python**.
- Trained the Neural Networks using **CIFAR-10** dataset.
- Documented and reported the Neural Networks' accuracy using **L^AT_EX**.

Aces Up Game (*Academic*)

November, 2017 - December, 2017

<https://github.com/iamalotaibi/AcesUp.game>

- Wrote a web app using **Java (Ninja framework)** for back-end and **JavaScript** for front-end.
- Hosted the web app on **Heroku** using **GitHub**.
- **Our Team Won the Best Web Application for Software Engineering I (CS-361).**

Personal Website

December, 2016

<https://iamalotaibi.me/>

- Wrote a personal website using **NodeJS** for back-end and **JavaScript** for front-end.
- Hosted my website on virtual machine (**DigitalOcean**).
- Wrote a **NGINX** script that directs HTTP requests to HTTPS and maps networks.

A.I. Algorithm for a 2D Grid Game (*Academic*)

April, 2016

Missing-link

- Wrote a 2D grid game (Hunt the Wumpus) using **C++**
- Wrote an intelligent agent in **C++** that solves the puzzle inspired by Minesweepers.
- Acquired code organization skills by modularizing my programs and defining appropriate classes.

EXTRACURRICULAR ACTIVITIES

OSU Machine Learning Club

Corvallis, OR (May, 2017 - Present)

Active Member

- Worked with a team to make a **Self-Driving RC Car**.
- Applied my knowledge in web development and machine learning to build the first prototype.

Saudi Aramco Summer Program

Dhahran, Eastern Province (Summer 2012)

Lead Photographer

- Managed a team of 6 photographers to document summer program events.
- Hosted and organized multiple teaching photography sessions for **more than 70 inspired photographers**.

SKILLS

Programming Languages(Experienced): C/C++, JavaScript, NodeJS, Python, Bash, and R.

Programming Languages: MATLAB, ReactJS, PHP, Java, and NGINX.

Tools: Git, MySQL, NoSQL, R Markdown, and L^AT_EX.

Operating Systems: GUI/Linux (Arch and Ubuntu), MacOS, and Windows.

Languages: Arabic (Native), English (Professional Proficiency), and Japanese (Elementary Proficiency).