

# FADI ALRABADI

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[Email](#) · [LinkedIn](#) · [Portfolio](#) · [GitHub](#)

## PROJECTS

**JANUARY 2021 – APRIL 2021**

### **PATH FINDING VISUALIZATION**

- Built a maze generator and solver using different algorithms to compare and contrast the speed at which each algorithm solves the generated maze.
- Visualization of how each algorithm goes about solving the maze.
- Algorithms: Dijkstra's, Depth First Search, Wall Follower, and Rat in a Maze.
- Tech Stack: Visual Studio, C++, and Open-source game engine.

**AUGUST 2021 – APRIL 2022**

### **BOBCAT STUDY**

- Full stack application that uses infrared sensors to detect motion in study rooms across campus and lets students know whether rooms are available, occupied or closed in real-time.
- Users have the option to favorite rooms, subscribe to notifications for certain rooms and gives administrators privileges such as adding a new room, removing a room, and closing a room.
- Tech stack: Node.js, React.js, JavaScript/HTML/CSS, Firebase, Git, and Python.

**MAY 2022 – SEPTEMBER 2022**

### **MY PORTFOLIO**

- Fully responsive portfolio website, that includes my resume, a little about me and the projects I've worked on
- Tech Stack: Node.js, React.js, Express.js, CSS3, Bootstrap, GitHub Pages, and GitHub Actions.

## EDUCATION

**APRIL 2022**

### **BACHELOR OF SCIENCE IN COMPUTER SCIENCE, OHIO UNIVERSITY**

- CGPA 3.10
- Made the dean's honor roll with a GPA of 3.50 in fall 2020 and spring 2021
- Core Coursework includes Data structures; Algorithms; Database Systems; Operating Systems; Parallel Computing; Cryptology.

## SKILLS

- C/C++
- JavaScript/HTML/CSS
- Node.js/Next.js
- React
- Python
- Linux/Windows/MacOS
- SQL
- Git