

# Fadi Alrabadi

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## EDUCATION

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### Ohio University

Athens, OH

*Bachelor of Science in Computer Science*

*Jan. 2020 – Apr. 2022*

- Achievements: Dean's honor roll from Fall 2020 to Spring 2021
- Relevant coursework: Computation Theory, Data Structures, Database Systems, Design and Analysis of Algorithms, Formal Languages and Compilers, Discrete Structures, Distributed and Parallel Computing, Operating Systems, Cryptology

## PROJECTS

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### Bobcat Study

*Node.js, React.js, Javascript, HTML5/CSS3, Python, Firebase, Git*

Aug 2021 – Apr 2022

- Created a room availability application using infrared sensors to check real-time room availability and update the status of each room.
- Collaborated effectively with a team of 4, following Agile development principles and delivering updates every two weeks.
- Utilized React framework, JavaScript, HTML, CSS for the front-end, and Node.js for the back-end.
- Implemented user authentication and UI/UX design, as well as user notifications.
- Gained valuable experience in full-stack development, project planning, and working in a collaborative environment.

### Hash Cracker

*C, Linux, MPI, Parallel processing*

Jan 2022 – May 2022

- Developed a hash cracker using MPI for parallel processing
- Implemented an algorithm that generates all possible password combinations, salts them, and compares the result with a target hash
- Utilized MPI to distribute the workload evenly across multiple processes, improving overall performance and speed
- Successfully cracked hashes by comparing the generated hash with the target hash

### My Portfolio

*Node.js, React, Express.js, HTML5/CSS3, Bootstrap, Git Pages/Actions*

May 2022 – Aug 2022

- Developed a fully responsive portfolio website, that includes my resume, a brief introduction and some of my past projects and current projects I am working on.
- Learned to work independently, exercise creativity from scrap, and build a professional web portfolio.
- Hosted with Github pages, can be found here: [falrabadi.github.io](https://falrabadi.github.io)

## TECHNICAL SKILLS

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**Languages:** C, C++, Java, Python, SQL (MySQL, PostgreSQL, SQLite3), JavaScript, HTML5/CSS3, R, Unix Programming

**Frameworks:** React, Node.js, Angular, Next.js, Express.js

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse

**Operating Systems:** Windows, Linux, MacOS, iOS, Android