

Fadi Alrabadi

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OBJECTIVE

Reliable and detail-oriented programmer seeking a challenging and rewarding software engineering opportunity to use and grow my technical skills.

EDUCATION

Ohio University

Bachelor of Science in Computer Science, GPA: 3.10

Athens, OH

Jan. 2020 – Apr. 2022

Columbus State Community College

Associate of Science in General Studies

Columbus, OH

Aug. 2014 – May 2019

PROJECTS

Bobcat Study

Node.js, React, Express.js, Javascript, HTML5/CSS3, Python, Firebase, Git Aug 2021 – Apr 2022

- Application that uses infrared sensors to detect motion within select study rooms and updates the app in real-time to show whether the specific room is available, occupied or closed
- Implemented options for users to favorite a room, subscribe to email notifications when a room becomes available, as well as administrator privileges i.e. adding, removing and closing rooms
- Developed this full-stack web application using Node.js serving as a REST API with React as the frontend
- Implemented email notifications, user authentication and data storage using Firebase

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.
- Hosted with Github pages, can be found here: falrabadi.github.io

TECHNICAL SKILLS

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