Logan Wolfe

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EDUCATION

Ohio State University   Columbus, OH
Bachelor of Science in Computer Science and Engineering | GPA: 3.5   *May 2022*

Relevant Coursework: Data Structures & Algorithms, Software Development & Design, Networking, Database Systems, Computer & OS Architecture, Web App Development, Distributed Enterprise Computing, Software Requirements

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, Ruby on Rails, JavaScript, HTML, CSS
Frameworks/Libraries: Node.js, Express.js, React, jQuery, JUnit, Jest
Tools/Technologies: AWS, Azure, MongoDB, PostgreSQL, Docker, Kubernetes, Git

EXPERIENCE

Java Instructional Assistant   August 2019 – May 2020
Ohio State University   *Columbus, Ohio*
- Evaluated programs using custom test scripts and personal expertise to provide constructive feedback to students
- Supervised personal lab and office hours to individually educate and assist 40+ students per week, leading to a 5% higher section grade average compared to other sections taking the same exams

Player Services Coordinator   April 2016 – August 2019
Cook's Creek Golf Club   *South Bloomfield, Ohio*
- Coordinated the communication and efforts between the management, customer service, and maintenance teams
- Implemented a system to increase employee efficiency and reliability, driving down unnecessary costs by 20%

PROJECTS

Learning Management System | *Ruby on Rails, Bootstrap, jQuery, PostgreSQL, AWS*
- Developed a web application that streamlines the secure collection, collation, and analysis of student assignments which includes an admin dashboard to manage course enrollment, create groups, and supervise assignments
- Implemented user authentication using Devise to offer secure and unique user experiences, resulting in the prevention of unauthorized submissions, logins, and access to administrative tools

Netflix Clone | *React, Firebase, Jest*
- Built a seamless copy of the Netflix website that allows users to sign up, log in, and browse an organized collection of movies and series complete with playable trailers and search functionality
- Integrated user authentication, cloud storage, and more to provide a secure service and desirable user experience

Autonomous Vehicle | *C++, MATLAB*
- Designed and built an autonomous monorail vehicle prototype meant to provide alternative methods of travel for pedestrians, generate a potential billion-dollar revenue stream for the city, and reduce traffic by an estimated 20%
- Optimized algorithms and vehicle performance by analyzing data collected by sensors using MATLAB, contributing to a 10% increase in vehicle performance and decrease in energy usage

Paper Trading Application | *React, Node.js, MongoDB, Azure*
- Created an application that simulates the buying and selling of stocks to provide users an alternative to trading stocks with actual money, effectively making investing a risk-free process to learn and practice
- Integrated the Alpha Vantage stock API to offer trading with real-time prices for publicly traded stocks

Pool Simulator | *C*
- Programmed a terminal-based pool simulator to analyze pool shots quickly and easily, allowing players to simulate games of pool shot-by-shot or to determine the next best move by visualizing the outcome of a pool shot
- Implemented physics such as friction, reflection, and drag to create an accurate and realistic simulation

JPMorgan Chase & Co. Software Engineer Virtual Experience | *Python, TypeScript, Node.js*
- Interfaced with stock price data feed and analyzed financial data using Python
- Visualized data and created customized charts for trader dashboards using Perspective open-source code