Kyle Knapp

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EDUCATION

Bachelor of Science in Computer Science   August 2015-December 2019
Bowling Green State University   *Bowling Green, OH*
- President of Lambda Chi Alpha Fraternity
- Volunteer for Code 2 College Academy
- Member of the Association of Computing Machinery (ACM)

WORK EXPERIENCE

Software Engineer II   February 2020-Present
General Motors   *Austin, TX/Remote*
- Developed code for the General Motors (GM) Cadillac website to capture and analyze real-time user metrics and statistics during GM's high-traffic commercial for the 2023 Super Bowl
- Independently wrote end-to-end synthetic script deployment software, enabling seamless uploading, parsing, and execution of Selenium and VuGen scripts within a centralized monitoring environment
- Architected and designed a high-availability, performance-focused clustered system for the GM showcase at the 2023 Beijing International Automotive Exhibition
- Leveraged APIs and developed custom code to automate manual tasks, resulting in annual time savings of over 800 hours for General Motors
- Implemented and developed multiple features on a large scale GM IT centralized application that provides GM application teams the ability to interact and configure monitoring tools

IT Solutions Development Intern   June 2018-September 2018
Cornerstone IT   *Mentor, OH*
- Created automation scripts to optimize maintenance activities and expedite user workstation updates
- Utilized and contributed to an open-source digital signage software (Xibo) for a client project
- Refactored multiple client websites, both backend and frontend, to enhance performance and user experience
- Managed and maintained computer systems and networks for various clients throughout Northeast Ohio

LEADERSHIP & INVOLVEMENT

Fraternity President   April 2018-January 2019
Lambda Chi Alpha   *Bowling Green, OH*
- Lead a fraternity of 56 active members and oversaw the day to day operations of the organization
- Conducted chapter meetings and gave direct actions that fostered growth of the chapter
- Deployed a website that showcased the fraternity, including a photo gallery, donation page, and a contact page to directly talk to our recruitment chairmen

General Motors Enterprise Learning Committee Delegate   March 2021-Present
GM ETS Learning Assembly   *Austin, TX/Remote*
- Increased overall employee learning opportunity hours by 15.5 percent compared to previous year
- Shared ideas with GM managers and directors about how to increase internal personal development
- Helped organize GM IT "Geek Week 2023" and "Top Coder Challenge 2022"

PROJECTS

Coffeed | *C-Sharp, JavaScript, HTML, CSS, .NET, REST APIs*   March 2022-June 2022
- A web application that creates a "feed" of the top 5 news articles of the day while users drink their morning coffee
- Utilized NewsCatcher and OpenWeatherMap API to provide a snapshot of the daily headlines and local weather

IRIS | *C-Sharp, JavaScript, Git, Unity3D*   January 2019-May 2019
- A first-person horror video game focused on solving puzzles and exploration to escape a haunted house
- Developed using the agile product development cycle with weekly sprints and daily stand-ups

TECHNICAL SKILLS

Languages: C#, C++, Java, Python, COBOL, SQL, JavaScript, HTML, CSS
Tools: Azure, Dynatrace, Jenkins, Kubernetes, SiteScope, Git, Visual Studio, Unity3D, Postman, Visio
Frameworks and Libraries: .NET Core, .NET Framework, Spring, Flask, REST, Agile (Scrum), MVC