

JOHN GAHAGAN

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SUMMARY

Fueled by a deep passion for technology and innovation, I am a dedicated computer science student eager to apply my expanding skills through a technology related position. My education, enriched with research and diverse coursework, has built a strong foundation in practical problem-solving, coding with best practices, and developing programs. I am driven to join projects that not only innovate but also embrace sustainability.

EDUCATION

Western Kentucky University August 2021 – May 2025

Bachelor's, Computer Science

Computer Science I and II, Introduction to Web Programming, Data Structures and Algorithms, Data Structures and Algorithms Analysis, Database Management Systems I and II, Game Programming, Computer Organization and Architecture, Software Engineering, Discrete Structures, Operating Systems, Intermediate Software Project, Intro to Unix, Digital Circuits

PROFESSIONAL EXPERIENCE

Affordable Electric LLC Franklin, KY, USA | Electrical Technician Helper | July 2018 - Ongoing

- Supported the installation and maintenance of electrical systems, gaining hands-on experience with cables and wiring, enhancing my problem-solving skills and understanding of technical systems.
- Collaborated in a team to ensure the efficient execution of projects involving complex wiring solutions, fostering a solid foundation in teamwork and technical applications.

City of Bowling Green Bowling Green, KY, USA | Parks and Rec Maintenance | May 2023 - September 2023

- Enhanced the functionality and safety of community spaces through diligent maintenance and technical support.
- Provided technical support to colleagues, addressing and resolving computer-related issues.

Cracker Barrel Franklin, KY, USA | Dishwasher Lead | July 2019 - July 2021

- Worked collaboratively with kitchen staff to streamline operations during peak hours.
- Provided training experience to new employees, guiding them on best practices and techniques.

PROJECTS

React Stock Market Application - React.js, Tailwind CSS, Financial Modeling Prep API **January 2024 - Ongoing**

- Built a dynamic application for real-time financial data modeling visualization using React and Tailwind CSS.
- Integrated external APIs for live data, utilizing advanced React features for state management.
- Developed custom React hooks and components for efficient data handling and UI updates, illustrating advanced knowledge in modern JavaScript frameworks and client-side web development.

Portfolio Website - HTML, CSS, JavaScript, React.js, Tailwind CSS, AWS Amplify **September 2023 - Ongoing**

- Developed an interactive portfolio website using React.js and Tailwind CSS, showcasing a modern and responsive design.
- Features a collection of my latest projects, demonstrating my skills in web development, problem-solving, and project management.
- Implemented responsive web design principles using Tailwind CSS, ensuring optimal viewing across various devices, and showcased proficiency in front-end development frameworks.

Lemmings Clone - Unity, C#, Visual Studio, XAMPP, Software Engineering **August 2023 - December 2023**

- Developed a game clone with a focus on logic, UI design, and engaging gameplay mechanics.
- Fostered team collaboration and adhered to deadlines to deliver project prototypes to client.
- Utilized Unity's physics engine and C# scripting to create complex game dynamics and interactive environments, demonstrating expertise in game development and object-oriented programming.
- Embraced the full software engineering lifecycle by employing Agile methodologies, including regular sprints and scrum meetings, to ensure timely delivery and adaptability to change.
- Rigorously documented development phases and utilized version control with Git, enhancing collaboration and project tracking. Included continuous integration (ci/cd), test execution, results collection and analysis, and platform automated data and metrics collection to optimize the development process.

SKILLS

Programming Languages: Java, Python, C, C++, C#, JavaScript, TypeScript, HTML/CSS, PHP

Frameworks and Libraries: React, Angular, Node.js, Django, .NET

Tools and Technologies: AWS (Amazon Web Services) (EC2, Lambda, S3), Git (CI and CD), Version Control (GitHub), Linux/Unix, Windows, Microsoft Office (Word, PowerPoint, Excel,), Command Line, Matlab, Wolfram, Google reCAPTCHA, Stripe

Database: SQL, MySQL, Firebase, NoSQL,

CERTIFICATIONS

Amazon Web Services | Certified Cloud Practitioner | March 2024 – March 2027

