Samuel McAnany

Lake Quivira, KS 66217

https://sammcanany.github.io

A hardworking and innovative individual with strong analytical and logical abilities, holding a computer science degree with a focus on software engineering. Possessing a solid foundation in designing, developing, implementing, and testing computer-based hardware and software.

Skills

- C#
- PYTHON
- C++
- JAVASCRIPT
- CSS
- Networking
- React
- Java
- Transact-SQL
- HTML
- Linux
- Docker

Work history

Embedded Systems Engineer Intern

HCI Energy, Shawnee *May 2021 - August 2021*

- Engineered and programmed the hybrid power system controller to ensure constant and reliable power delivery.
- Skillfully configured software for the central computer within the hybrid power systems, enhancing system performance.
- Created detailed wiring schematics and documentation for power controller boxes, ensuring seamless integration and operation.
- Engineered software components for automation hardware such as microcontrollers and sensors.

Construction Laborer

McAnany Construction, Shawnee *May 2013 - May 2021*

- Developed effective organizational and coordination skills by managing traffic flow and ensuring a safe environment around construction sites.
- Cultivated strong communication and interpersonal abilities through regular interaction with homeowners, providing project updates and addressing their concerns in a clear and respectful manner.
- Demonstrated flexibility and problem-solving skills by efficiently tackling various manual labor tasks and adapting to changing work requirements.

Education

Kansas State University at Manhattan, KS

Bachelor of Science in Computer Science

Awards and Certifications

Eagle Scout, 04/21/16

Microsoft Certified: Azure Fundamentals

Projects

- **Realistic Biome Generator** - Leveraged Unreal Engine 5.1 to develop a sophisticated plugin capable of generating terrain and biomes mirroring real-world environments., Implemented advanced algorithms using C++ and the FastNoise algorithm, to achieve a lifelike representation of landscapes., This project showcases expertise in software development, algorithm design, and simulation.
- **Plane Ticket Booking Web Application** - Dynamic ASP.NET web application, seamlessly integrating with a Microsoft SQL Server database., Employing comprehensive CRUD (Create, Read, Update, Delete) operations, this platform empowers users to effortlessly search for flights and make bookings.