Garrett Sidle

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EDUCATION

BS Electrical and Computer Engineering Technology — Aug 2023 – May 2025
Miami University of Ohio — *Oxford, OH*

AS Electro-Mechanical Engineering Technology — Aug 2021 – Nov 2023
Northwest State Community College — *Archbold, OH*

AS Computer Science Engineering Technology — Aug 2021 – May 2023
Northwest State Community College — *Archbold, OH*

EXPERIENCE

Software Engineering Intern — Dec 2021– Present
Automatic Feed Company — *Napoleon, OH*

- Developed and maintained full stack plant analysis website using the ReactJS and NestJS frameworks, enabling the customer to analyze plant performance and make data-driven decisions.
- Developed full stack internal company website using ReactJS and NestJS, providing employees with access to company analytics and documents.
- Provisioned and configured computers to allow application to communicate with OPC server and connect to application database.
- Developed and maintained multiple HMI dependencies in C#, including:
  - Leveler calculator for predicting a machine's strain and warranty status.
  - Starter program for initializing SQL connection and starting the HMI.
  - SQL updater for writing machine data and analytics to a database.
- Troubleshot and fixed runtime errors between the HMI (Human Machine Interface), OPC (Open Platform Communications) server, and the machine's PLC (Programmable Logic Controller).
- Gained hands-on experience in full stack web development, C# programming, and troubleshooting industrial systems.

Assembly Production Operator — May 2021 – Aug 2021
General Motors — *Defiance, OH*

- Set up and performed assembly operations on components, sub-assemblies, and assemblies.
- Completed quality records, scrap reports and machine logs in a database.

Road Construction Laborer — May 2020 – Aug 2020
S.A. Sidle Construction — *Holgate, OH*

- Used a range of hands tools, power tools and construction equipment to spread both asphalt and concrete.
- Worked with team to safely direct traffic around the work site.

General Farm Hand — June 2016 – Oct 2019
Damman Farms LLC — *Napoleon, OH*

- Helped in construction of grain bins.
- Operated farm equipment, including pallet jacks, forklifts and trucks.

PROJECTS

Personal Website | *Javascript, Typescript, React, AWS, HTML5, CSS3* — June 2022 – Present

- Developed a full-stack web application for an online portfolio and personal branding platform, showcasing my skills, experiences, and other projects using the React framework.
- The web application was later deployed to Amazon Web Servers and is available at GarrettSidle.com.
- Utilized design skills to create visually appealing layout and user-friendly navigation.

TECHNICAL SKILLS

Languages: Javascript, C#, Python, SQL, HTML, CSS, Java
Frameworks: React, Node.js, Nest.js
Developer Tools: Git, VS Code, Visual Studio, Eclipse
Libraries: Recharts, Material-UI, Bootstrap