Eric Ertl

(262) 420 9135 | ertleri19@gmail.com | GitHub: eertl2

EXPERIENCE

MGS Manufacturing Group   Germantown**,** WI
IT Intern   May 2019 – August 2021

Worked in the IT department of MGS Manufacturing for three summers. Helped metrology and quality engineers with moving data around and lead multiple IT projects

- Refactored existing VBA macros that performed poorly which sped up ETL activities by over 100%
- Developed new VBA macros to assist with repetitive data transformation tasks which were previously done manually
- Researched, presented, and stressed powerful Business Intelligence tools like Power BI, Tableau, and Qlik as alternatives to Excel for Business Intelligence
- Digitized MGS's internal audit process which led to faster audits, increased accountability, and enhanced data analysis
- Worked with vendors to implement a digital Visitor Management System to streamline visitor processing and enhance visitor experience by pre-registering visitors, notifying hosts when visitors arrive, and run analytics to explore visitor trends
- Wrote policy, procedure, and manuals governing internal IT applications

Goodwill Industries of Southeastern Wisconsin   Waukesha**,** WI
Cashier & Sales Floor Associate   May 2017 – November 2018

Worked at my local Goodwill a couple months after I turned 16. I learned many soft skills such as time management, telephone etiquette and customer service.

- Helped customers complete purchases, locate items and join reward programs to promote loyalty, satisfaction and sales
- Reconciled cash drawer at the start and end of each shift, accounting for errors and resolving discrepancies
- Lowered theft by watching for price tag switching and notifying managers swiftly if a problem arises

EDUCATION

University of Wisconsin-Madison   Madison, WI
B.S. Major in Computer Science   August 2019 – May 2023 (expected)
Cumulative GPA: 3.36

- *Relevant Completed Coursework:* Advanced Programming in Java; Discrete Mathematics; Machine Organization and Programming; Linear Algebra; Parallel & Throughput Programming; Computer Engineering; Applied Statistics
- *Current Coursework:* Artificial Intelligence; Operating Systems

SKILLS

Programming: Python, Java, VBA, C++, C, SQL, JavaScript, R, HTML, CSS

Technologies: Git, Jekyll, Node.js, React, AWS

PROJECTS

Projects selected to show a variety of project topics and programming languages. Check out more on my website or GitHub.

- **Scalpie:** Developed a personal scalper bot to buy graphics cards and PS5 consoles from Best Buy using web scraping with Selenium and deployed on an AWS EC2 instance **(Python, AWS)**
- **Personal Website:** Set up a personal website using Github pages and styled with Jekyll themes **(Git, Jekyll)**
- **Covid Data Visualizer:** A interactive data visualizer for Covid-19 with visual and graphical representation of Covid cases in the world **(Java, CSS)**

EXTRACURRICULAR ACTIVITIES

- **Member, FoodShed (Coding for Good):** Contributed to an app for the campus club FoodShed that collects free (surplus) food (**Typescript, Angular, Ionic**)
- **Contributor, FOSS (FOSS Club):** Contributed to the development of the FOSS (Free Open-Source Software) club's website **(HTML, CSS)**