

SAMUEL N. POLYM

4665 Lake Street, Bridgman, MI 49106 | Spolym50@gmail.com | (269) 635-2481

OBJECTIVE

Seeking challenging work opportunities that allow me to continue learning and developing as a computer engineer, to further my professional experiences and leadership experiences upon completion of my degree.

EDUCATION

Michigan State University (GPA: 3.47)

May 2023

- Bachelor of Science in Computer Engineering

Bridgman High School (GPA: 3.9)

May 2019

PROFESSIONAL EXPERIENCE

General Electric Health Care, Remote

May 2022 – Current

- Developed a proof of concept for performing parallel reads of the HDF5 file format using included libraries to drastically reduce image reconstruction time.
- Worked in Linux to convert serial API's into parallel API's to increase performance of interacting with HDF5.
- Implemented parallel HDF5 methods into production code to enhance of PETMR technology.

Michigan State University Engineering IT, East Lansing, MI

Oct 2021 – September 2022

- Maintained a software library using PowerShell scripts creating a more cohesive and safe learning environment.
- Provided IT services and support for the faculty and students furthering the academic missions of the College.
- Worked with users to install and troubleshoot computers, software, and networking equipment to provide a better user experience.

Whirlpool Corporation, Saint Joseph, MI

Summer 2019 - Summer 2021

- Created a tool that analyzes internal movements between warehouses to reduce the amount of overhead costs.
- Identified product that was being damaged in-house so that the given issue could be addressed and reduce the amount of damaged product.
- Tracked turn-around-time of Second Channel Sales using SAP and Tableau to minimize time and cost.
- Created a system to track key performance indicators of a network of warehouses by designing a database and to help the Reverse Logistics team and Whirlpool Corporation find potential areas of improvement.
- Developed a database inside Google Sheets and Microsoft Excel to look up information on a product to assist the Reverse Logistics team by saving time when looking for dimensions of a product.

Green Earth Electronics Recycling, Saint Joseph, MI

Summer 2016 – Summer 2021

- Created professional product listings and advertisements on eBay to drive sales over eight thousand dollars.
- Recycled computers and miscellaneous electronics, by disassembling and sorting parts to reduce the carbon footprint of the community while managing a team of employees.
- Shipped products to customers and resolved customer concerns to help maintain customer satisfaction.

PROJECTS & ACTIVITIES

Disc Golf Dashboard Website (Summer 2022) – Used Python and Flask to create a dashboard of my disc golf stats and created a search engine for disc golf courses that met certain conditions using scraped information.

Automated eBay Listing Program (Winter 2021) - Designed and created a program for Green Earth Electronics Recycling to automate the process of selling computers online. This program scrapes system specifications for any computer and interacts with the eBay Trading API to create individualized listings while reducing the time required.

Python Stock Trading Algorithm (Winter 2021) - Co-created a Python3 based program to scrape real-time stock market data and numerically identify trends to execute buy/sell orders. Also, leveraging the use of Python3 to work with big data in an effort to refine trading strategies over time.

Cornerstone Engineering and Residential Experience (Fall 2021 – Current) Help host events to build community amongst first-year engineering students by holding academic and social events. Co-develop the CoRe Mobile App using Dart programming language to increase the attendance at CoRe sponsored events. Work with students to help develop their professional skills and connect them with employers.

SKILLS

Highly Proficient: Python | C++ | PowerShell | Web Scraping | Computer Systems | Mobile Development (Java)

Working Knowledge: Data Structures/Algorithms | Linux | Translation of Programming Languages | HTML

Moderate Experience: Tableau | SQL | MATLAB | SAP