

Samuel Swedberg

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EDUCATION

North Dakota State University

Fargo, ND

Bachelor of Science in Computer Engineering

Aug. 2021 – Present

Programming Coursework: Intro to Computing, Data Structures & Algorithms, Computer Organization

CpE Coursework: Circuits I, Circuits II, Electronics I, Electronics II, Random Processes, Embedded Systems, Digital Design, Digital Design II

EXPERIENCE

Service Shop Technician

July 2021 – Present

Scheels All Sports

Moorhead, MN

- Built strong customer rapport through direct communication answering a wide range of customer inquiries and quickly identifying and developing an optimum solution
- Trained five technicians in shop practices, procedures, and skills
- Built and repaired bicycles by adjusting all components properly and diagnosing mechanical issues, sharpened and baked skates, re-laced rackets, re-gripped golf clubs and baseball bats
- Awarded 2022 July part-time employee of the month
- Developed a Google Sheet to automatically fill in bike data for local build list using custom functions and database to increase overall shop productivity

PROJECTS

- Personal Website: www.samuelswedberg.com (for additional information and projects)

Bike Build List | *Google Sheets, Google Apps Script*

Aug. 2023 – Sept. 2023

- Created an automated Google Sheet to streamline workflow leading to overall increased efficiency
- Improved user experience by creating optimized functions to automatically delete duplicate entries, update quantities, and clear old entries
- Maintained thorough documentation to ensure project clarity for future use

Freelance Website | *React, Bootstrap 5*

June 2023 – July 2023

- Developed a React website for local small business in Fargo/Moorhead area
- Collaborated with the local business to suggest features and get feedback
- Implemented customer appointment email service using JavaScript

Homelab | *Proxmox, Linux, TrueNAS*

June 2021 – Present

- Utilized Proxmox VE to virtualize virtual machines and deploy various Docker containers
- Self-hosted multiple services such as web servers, monitoring, and network managers
- Built Proxmox server and custom NAS on baremetal using old computer parts

Interstate 94 | *C#, Unity*

Mar. 2021 – Dec. 2021

- Developed a 2D video game using Unity
- Utilized Github for version control
- Refactored codebase Dec. 2022 implementing best coding practices from college courses

TECHNICAL SKILLS

Languages: Java, Python, C/C++/C#, HTML, CSS, JavaScript, VHDL, SQL, Assembly, Apps Script

Frameworks: React, Node.js, Next.js, Express.js

Libraries: Tailwind CSS, Bootstrap 5

Developer Tools: Git, Docker, VS Code, Visual Studio, Apache Netbeans, Matlab, Circuitlab, Fusion 360

Additional Skills: 3D Printing, Soldering, Electronic Design, CAD, Slicers, Linux, Proxmox