

SAMUEL NICKLAUS

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Education

University of Iowa

Aug. 2020 – May 2024

Bachelor of Science in Engineering, Computer Science & Engineering; GPA: 3.51

Iowa City, Iowa

Focus Area in Big Data & Machine Learning

Minor in Mathematics

Relevant Coursework

- | | | | |
|-----------------------|-------------------|------------------|-------------------------|
| • Data Structures | • Algorithms | • Networking | • Embedded Systems |
| • Database Management | • Software Design | • Digital Design | • Computer Architecture |

Experience

Collins Aerospace

May 2022 – Present

Software Engineer

Coralville, Iowa

- Led in migrating critical server information containing transaction history from a local machine to a virtual machine off-site. Resulting in improved reliability and speed
- Developed data-focused software to pull relevant inventory data for display, generate excel reports, and automatically order and track materials in a warehouse. Enhancing overall warehouse efficiency
- Created a multi-threaded file synchronization software deployed across over thirty machines. Allowing for greater reliability of data transfer between computers, keeping backups of files changed
- Built a user-facing web application, logging and displaying specific user data for managers and employees to view
- Facilitated daily infrastructure operations such as diagnosing computer software and hardware issues, debugging code, upgrading server hardware, and general IT maintenance

Carousel Motors

May 2016 – May 2022

Lot Porter

Iowa City, Iowa

Technical Skills

Languages: C#, Python, C++, Java, SQL, JavaScript, Haskell, Verilog, C, Assembly

Developer Tools: Google Cloud Platform, Microsoft Office Suite, SPICE Software, Microsoft SQL Server

Management Studio, JetBrains Products, VSCode, Microsoft Visual Studio

Technologies/Frameworks: Vue.js, Databases, HTML, CSS, Node.js, Linux, GitHub, WordPress, LaTeX, .NET, Subversion

Certifications: 98-349:MTA Windows Operating System Fundamentals

Leadership / Extracurricular

Collins Aerospace

Aug. 2022 – Present

Student Ambassador

University of Iowa

University of Iowa League of Legends eSports Club

Aug. 2020 – Present

Events Manager, Vice President

University of Iowa

- Managed an eSports team consisting of anywhere from five to ten players in a given season. Worked with team to schedule games, practices, and communicated with tournament managers to resolve conflicts
- Led members to work towards goals to improve team performance as well as teach important values to players
- Communicated with other universities to plan and schedule tournaments
- Facilitated club activities for over sixty active members. Activities included general meetings, sports events, and career development-focused meetings