Samuel Michelsen

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SUMMARY

Fourth-year student looking to start career working on interesting projects while gaining experience and knowledge. An analytical person and a creative thinker who is highly motivated, initiative-taking, and willing to assume extra work, responsibility, and leadership.

EDUCATION

Rock Valley Community College | Rockford, IL | August 2019 – May 2020

Associates of Science

Relevant Courses: Intro to Web Development, Intro to C++ Programming

Illinois Institute of Technology | Chicago, IL | August 2020 – May 2024

B.S. in Computer Engineering / M.A.S. Computer Science w/ Concentration in A.I.

GPA: 3.5/4.0

Relevant Courses: Data Structures & Algorithms, Computer Architecture & Org., Operating Systems

WORK EXPERIENCE

Office Assistant | Michelsen Financial | April 2020 – August 2020

- Exposure to office-type environment
- Created/updated Excel spreadsheets for clients' financial reports
- Organized (physical) files

Server | Henrici's Catering @ The Pavilion at Orchard Ridge | August 2018 – March 2020

- Set up venue, serve guests food, tend to bride/groom families
- Ability to learn and fulfill multiple roles and do whatever is necessary to help the team
- Learned to be personable and professional in a dynamic, sometimes stressful environment
- Worked up from a dishwasher to being able to fill many roles

Dishwasher / Pizza Maker | Sam's Pizza Rockton | August 2017 – August 2018

Cart Attendant / Bagger | Woodman's of Beloit | December 2016 - August 2017

TECHNICAL SKILLS

- Object oriented programming/design, procedural programming
- Data structures and algorithms
- Familiar with: C/C++, Python, Java, assembly (MC68K, MIPS, RISCV)
- Web programming: HTML/CSS, JavaScript
- Version control software (Git)
- Relational database systems, SQL
- Embedded systems & remote development (SSH, Vim, Tmux)
- Operating Systems: Windows & Linux

OTHER RELEVANT EXPERIENCES/PROJECTS

Website: **sammichelsen.tech**

- Hosted using AWS Amplify – domains managed through AWS Route 53
- Hand-coded to host projects and be an interactive extension of resume

Automated Cat Feeder:

- Began as a project in an Embedded Systems class, recreated for personal use

Leader of Interprofessional Project Team:

- Lead a team over the summer to create a smart fire detection system prototype, featuring an array of sensors attached to an Arduino microcontroller, which collects and sends sensor data to a Pi that hosts a web application to show the status of the sensors.