Max Rosenboom

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My mission is to contribute to the design and implementation of large-scale datacenter and cloud infrastructure, focusing on automation and building scalable solutions.

EDUCATION

University of Colorado, Boulder - Boulder, CO

AUGUST 2019 - MAY 2023

Bachelor of Science in Computer Science

PROFESSIONAL EXPERIENCE

CU Boulder - Boulder, CO — *Junior System Administrator*

JUNE 2022 - MAY 2023

- Developed automation scripts that reduced server deployment and decommissioning times by 50%
- Gained development skills with Ansible playbooks & Infrastructure as a Service (IaaS) methodologies in a medium-scale environment
- Utilized AI assistants (ChatGPT, GitHub Copilot) to increase productivity
- Designed, built, and managed 31 scalable servers and networks used by over 300 external clients and over 36,000 students
- Grew my abilities to independently manage and complete projects, decreasing the need for assistance and guidance

Apple - Boulder, CO — *Specialist*

NOVEMBER 2021 - JUNE 2022

- Used Tableau metrics to actively track personal and professional growth through reviewing customer ratings and feedback
- Worked in a fast-paced environment with a team to solve problems
- Developed empathy and patience by building positive relationships with customers of all ages and knowledge levels
- Built verbal communication skills by learning to effectively explain and showcase technical information to non-technical customers

McDonald's - Louisville, CO — *Shift Manager*

APRIL 2017 - AUGUST 2019

- Led a 15-member team in a highly dynamic and extremely fast-paced environment
- Entrusted with sole responsibility for opening the store and overseeing morning operations
- Developed leadership and customer service skills through maintaining order accuracy and monitoring each aspect of the restaurant

LANGUAGES

- English: Native/Fluent proficiency

- Dutch: Professional proficiency

COURSE HIGHLIGHTS

– Datacenter Scale Computing
- Built web apps in AWS, GCP, and Azure
- Containerized homework assignments using Docker & Kubernetes
- Worked with large-scale data management services such as Hadoop and Spark

– Object Oriented Analysis & Design
- Gained experience with all 23 Gang of Four design patterns
- Built a Settlers of Catan clone using abstraction, encapsulation, polymorphism, & inheritance

– Design & Analysis of Operating Systems
- Built basic system calls & LKM's in C
- Developed a DNS Resolver to gain experience with multithreading concepts
- Gained an overall low-level familiarity with how operating systems work

PROJECTS

Ball Aerospace LADAR Detection
Senior Capstone Team Project
– Designed and built 8 ML algorithms
– Identified multiple unknown vehicles using LADAR data
– Conducted comparisons and tests to find optimal model for classification
– Served as communications liaison between 5-member team, sponsor, and professor

SKILLS // TECHNOLOGIES

Software Languages:
- Java, Python, C/C++, Rust

Technologies:
- Ansible, Git/GitHub, TensorFlow, GH Copilot/ChatGPT, React.js