

# Alexey Gaulke

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## EDUCATION

**The Ohio State University, College of Arts and Sciences**

**Columbus, OH**

Major: Computer & Information Science | **GPA: 3.94** | **Summa Cum Laude**

December 2024

### Relevant Coursework:

Capstone Design: Information Systems, Information Security, Principle of Programming Languages, Advanced DBMS, Software Requirements Analysis, Computer Networking, Database Systems, Project: Design and Development of Web Apps., Intro to OS

## TECHNICAL SKILLS

**Programming:** (Proficient) Java, C, SQL, Python; (Familiar) HTML, CSS, JavaScript, Ruby

**Technologies:** VSCode, IntelliJ, Linux, Jupyter Notebooks (Proficient); (Familiar) Docker, Kubernetes, s3

## WORK EXPERIENCE

**The Toro Company** |

**Longmont, CO**

Robotics Software Development Intern

May 2023-July 2024

- Development of Pub/Sub calls over RPC for several autonomous products being developed using Java OOP methods and unit testing
- Implemented a health monitoring system for various micro services in order to improve disaster recovery time
- Integration of FOTA (firmware over the air) updates for robots using python, pycURL, and docker through asynchronous and OOP methods
- Involvement in daily sprint stand-ups, planning, retrospections, and quarterly production plannings

**The Ohio State University** |

**Columbus, OH**

Teaching Assistant Software Components

August 2022-April 2023

- Encouraged the development of students through clarification and instruction on complex problems

**L & A Precision Landscape** |

**Centerville, OH**

Landscape Technician

April 2021-August 2022

- Worked on customers properties by mulching, trimming bushes, cutting lawns, etc.

**Archer's Tavern** |

**Centerville, OH**

To-Go Member

September 2019-December 2020

- Oversaw the execution and verified the accuracy of takeout orders while managing customer relations

## PROJECTS/CERTIFICATIONS

**AWS Certified Cloud Practitioner**

October 2024-2027

- Demonstrated knowledge of core AWS services, cloud concepts, and architectural best practices
- Ability to identify AWS solutions for common use cases, including storage, networking, compute, and databases
- Understanding of AWS security and compliance fundamentals including IAM (Identity and Access Management)

**Database System Project (CSE 3241 Project)**

January-April 2024

Technologies: Java, SQLite, MySQL

Functionality: Implemented a text based interface and database for a company to manage and maintain products

## LEADERSHIP & INVOLVEMENT

**OSU Rock Climbing Club** |

**Columbus, OH**

President & Vice President

April 2022-April 2024

- Coordinated of 5 officers, triweekly practices, monthly meetings, events, and merchandise orders
- Planned overarching club objectives and serve as a liaison between the club and Ohio State

**Boy Scouts of America** |

**Centerville, OH**

Senior Patrol Leader

August 2018-February 2019

- Coordinated organization of events and evaluation of risk assessment practices of the 50-person troop

## PHILANTHROPY & ACCOLADES

**Food Recovery Network** | (15+ hours)

**Columbus, OH**

Volunteer

January 2022-April 2023

- Assisted in the distribution of perishable foods from dining locations to benefit the homeless community

**Boy Scouts of America** | (100+ hours)

**Centerville, OH**

Eagle Scout Award

February 2018-Present

- Meticulously planned, designed, and executed the installation of nature display boxes at Cowan Lake SP
- Served in a variety of leadership roles that enabled the continued fluidity and stabilization of the troop