

# Ethan Bowles

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Computer Science student in the University of Utah's Honors College, skilled in automation scripting, Python programming, data analysis, and AI integration. I value teamwork, communication, diversity, and a fun environment. I am seeking a role on a software engineering team to apply my technical skills and passion for backend and database development. I aspire to work on impactful projects that will enhance my professional career.

## PROFESSIONAL EXPERIENCE

**Myriad Genetics** **South San Francisco, CA**  
**Software Engineering Intern (Remote)** **Summers 2023-2024**

- Developed a Python-based CLI utilizing Click, enhancing team onboarding processes and automating routine tasks. Engineered a scalable, modular framework that supports seamless integration of team-specific CLIs. Led the automation of critical operations, including SSH key generation, Docker environment setup, Java installation with company certificates, and Git repository configuration. Pitched the CLI to 120+ Tech Org members and executives.
- Generated an interactive dashboard in DNANexus for Myriad's Cancer Patient Registry, leveraging Looker for data insights. Created a web form using Python/Flask to track Health Intelligence Impact Report requests. Collaborated with medical specialists on clinical data analytics solutions and presented AI implementation strategies at Myriad's Tech Conference to 100+ attendees.

**University of Utah, Khalert School of Computing** **Salt Lake City, UT**  
**Teaching Assistant - Intro to Data Structures and Algorithms** **August 2024 - Present**

- Advised students as a Teaching Assistant for Intro to Data Structures and Algorithms, leading and teaching lab sessions, providing assistance through weekly, hosted help hours and Piazza, grading assignments, and administering tests.

**Wasatch Kids Camp,** **Salt Lake City, UT**  
**Camp Counselor** **Summers 2020-2022**

- Supervised, ensured safety, and fostered a fun environment for children. Collaborated with a team of three others to manage activities, handle finances, and address problems.

## EDUCATION

**University of Utah, Khalert School of Computing** **Salt Lake City, UT**  
**Honors Bachelor of Science in Computer Science, Minor in Mathematics** **Expected May 2025**

- GPA: 3.8** (Dean's List: Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023, Spring 2024)
- Related Coursework: Database Systems, Algorithms, Intro to Cybersecurity, Computer Networking, Linear Algebra, Number Theory, Senior Capstone

## LEADERSHIP EXPERIENCE

**President of Local TSA Team** **Salt Lake City, UT**  
**Technology Student Association | Granite Technical Institute** **August 2020 - May 2021**

- Led and operated weekly club meetings, discussed group projects/progress, helped with code, and prepared teammates for upcoming competitions. Placed first in Utah State Championship for software development and competed at Nationals.

## PROJECTS & SKILLS

**MyriadCLI - Python, Bash, Docker, Git**

- Python-based CLI using Click to streamline team onboarding and automate tasks. Designed a modular framework for easy integration of team-specific CLIs. Implemented ODF team automation for SSH key generation, Docker setup, Java downloads with certificates, and Git repository configuration. Overall, saving the company \$30,000 a year upon integration.

**Drawing Application - Kotlin, XML, SQL, Git**

- Project using Android and Kotlin. Allows users to make new drawing and edit past ones. App uses RoomDB to persist drawings while app is not running. Furthermore, the app implements common standards such as Jetpack Navigation and a Modern UI framework.

**DuoAlgo, Sorting Algorithms Educational App - C++, Git**

- Leveraged QT Creator, C++, and Git in a team of 4, to develop a learning application to assist in the teaching of basic sorting algorithms. Program utilizes a learning, practice, and quiz section to solidify user understanding.

**Language Proficiency: Python, Java, C#, C++, SQL, Git, Bash**