

# McKyley Cherry

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## EDUCATION

### Aurora University

Bachelor of Science - Computer Science

Cumulative GPA: 3.57/4.0 (Cum Laude)

Aurora, IL

May 2024

**Honors & Awards:** Dean's List (Spring 2024, Fall 2023, Spring 2022), Dean's Transfer Scholarship

**Relevant Coursework:** Data Structures and Algorithms, Advanced Web Application Development, Database Design and Implementation, Object-Oriented Programming, Software Testing and Quality Assurance, Programming Languages, Data Mining and Machine Learning

## EXPERIENCE

### ITS Student Worker

August 2022 – May 2024

Aurora University

Aurora, IL

- Triaged technical issues for users over phone and in-person using Zendesk (ITSM) to create tickets.
- Assisted troubleshooting issues with network connectivity, printers, account management, and related technology.
- Conducted daily routine checks on classroom and computer lab technologies.
- Monitored scheduling of laptop cart deployments and out-of-office support appointments via Trello and Slack.

### Software Engineering Intern

May 2022 – August 2022

Avanade (Joint venture for Microsoft & Accenture)

Chicago, IL

- Contributed to developing an Azure resource deployment system using Terraform that improved automation consistency by 84% for client end-users.
- Implemented tfsec and TFLint frameworks to reduce security vulnerabilities and increase reliability of codebase.
- Aided in refactoring outdated modules to work with new frameworks and revamped documentation.
- Applied agile methodologies (Scrum) with an eight-member team, managed version control and tracked user stories in Azure DevOps.
- Collaborated with a five-member team to design a presentation for a feasible business solution with a focus on leveraging artificial intelligence to promote positive change in the world.

## SKILLS

**Programming Languages:** Java, C++, Python, JavaScript, HTML/CSS, SQL (SQLite)

**Development Tools:** Git, Visual Studio, Visual Studio Code, JetBrains IDEs, Windows, Linux, Microsoft 365

**Frameworks/Libraries:** React.js, Node.js, Express.js

**Database Management:** MySQL, Microsoft SQL Server

## PROJECTS

- **Hardware Harry's Web App:** Rebuilt project to support a true client-server architecture with a well-defined server REST API and Model-View-Controller (MVC) design pattern. Converted Pug/Jade interface with React.js for frontend, and Node.js/Express.js for backend.
- **Hangman Web API QA:** Applied software testing principles by unit testing API endpoints using MSTest (ASP.NET), Postman, and Apache JMeter for load testing.
- **Track and Field Database System:** Designed a database system with a three-member team that stores data about a track and field meet. Assisted with the construction of the ER/EER model and SQL queries. Developed the JDBC API program to provide an interactive, menu-driven interface for the system.
- **CDC Data Analysis Labs:** Exploratory data analysis of CDC COVID-19 2022 statistics and CDC Heart Disease 2020 dataset using Python, Pandas, NumPy, Matplotlib, Seaborn, and SciPy libraries.

## CERTIFICATIONS

- Microsoft Certified – Azure Fundamentals (AZ-900)