

# Jack Brennan

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## Education

**Colorado School of Mines**, Golden, CO

*Masters of Science, Computer Science*

May 2025

Overall GPA: 4.0 | BPX C-MAPP Scholar

*Bachelors of Science, Computer Science*

May 2024

Overall GPA: 3.96 | Major Specific GPA: 4.0 | Summa Cum Laude

## Relevant Coursework

- Advanced Software Engineering
- Software Engineering
- Mobile Application Development
- Web Applications
- Algorithms
- Database Management

## Skills

**Languages:** Java, Kotlin, JavaScript, SQL, C#, C++, Python, HTML, CSS

**Frameworks and Technologies:** Android, React, Express.js, PostgreSQL, MySQL, WPF

**Tools and Other Skills:** Git, Vim, Android Studio, VS Code, Linux OS, Agile, Scrum, TDD

## Work Experience

**Colorado School of Mines**, Golden, CO

August 2024 - Present

*Adjunct Professor*

- Leading lecture and lab sections, teaching **Java** and **Software Engineering** principles to nearly **120 students**
- Developing relevant lectures, assignments, quizzes, projects, and exams to facilitate student learning
- Teaching relevant skills from the Software Engineering industry to better prepare students for their careers

**Sysco**, Houston, TX

May 2024 - August 2024

*Software Engineer Intern*

- Developed an Android app in **Kotlin** to query and correct device settings across **33,000+ warehouse devices**
- Implemented an **Express.js** backend with **MySQL** database to manage database processing and communication
- **Automated error detection and correction**, improving warehouse efficiency

**Colorado School of Mines**, Golden, CO

December 2022 - May 2024

*Lead Teaching Assistant*

- Assisted Software Engineering Professors by grading, proctoring exams, and corresponding with nearly **500 students**
- **Managed a team** of Teaching Assistants to **ensure consistency** and fairness between all sections
- Held weekly office hours to provide individual support and guidance to students

**Colorado Education Association**, Denver, CO

August 2023 - December 2023

*Software Engineer*

- Created a **React** web application to communicate with a **Django** backend and **PostgreSQL** database
- Collaborated with fellow students to design a full stack solution to support nearly **40,000 users** in the CEA

**Neuman & Esser America**, Houston, TX

May 2023 - August 2023

*Software Engineer/IT Admin Intern*

- Led development of internal **WPF .NET** application and **TSQL** database which dealt with trading **millions of dollars**
- Led routine **system-wide IT updates** and integrated new building into company's existing IT infrastructure

## Activities

**Tau Beta Pi**, Member, Golden, CO

Fall 2023 - Present

**Association for Computing Machinery**, Member, Golden, CO

Fall 2021 - Present

**Club Water Polo Team**, Member, Golden, CO

Fall 2021

## Honors and Awards

**BPX C-MAPP Scholar**, Colorado School of Mines

Fall 2024 - Present

**CS Faculty Choice Award**, Colorado School of Mines

Spring 2024

**Summa Cum Laude**, Colorado School of Mines

Spring 2024

**Dean's List**, Colorado School of Mines

Fall 2021 - Spring 2024