

Jack Brennan

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Education

Colorado School of Mines, Golden, CO

Masters of Science, Computer Science

May 2025

Overall GPA: 4.0

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

CS Faculty Choice Award, Colorado School of Mines

May 2024

Summa Cum Laude, Colorado School of Mines

May 2024

Dean's List, Colorado School of Mines

Fall 2021 - Spring 2024