

# JACK BRENNAN

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## EDUCATION

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

*Masters of Science, Computer Science*

May 2025

Overall GPA: 4.0

*Bachelor of Science, Computer Science*

May 2024

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

**Stratford High School**, Houston, TX

May 2021

## RELEVANT COURSEWORK

- **CSCI370** Advanced Software Engineering
- **CSCI448** Mobile Application Development
- **CSCI406** Algorithms
- **CSCI306** Software Engineering
- **CSCI446** Web Applications
- **CSCI403** 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

**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 data processing and communication
- **Automated error detection and correction**, improving warehouse efficiency

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

December 2022 - May 2024

*Lead Undergraduate Teaching Assistant*

- Assisted professors in teaching Software Engineering by grading assignments, 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
- Conducted daily **Scrum** meetings to present progress and gain feedback

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

May 2023 - August 2023

*Software Engineer/IT Admin Intern*

- Led development of internal financial application and database which dealt with trading **millions of dollars**
- Acted as the sole developer through summer-long project, creating a **WPF .NET** application and **TSQL** database
- Led routine **system-wide IT updates** and integrated new building into company's existing IT infrastructure

## ACTIVITIES

**Tau Beta Pi**, Member, Golden, Colorado

Fall 2023 - Present

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

Fall 2021 - Present

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

Fall 2021

**Stratford High School Swimming and Water Polo**, Captain, Houston, Texas

Fall 2018 - Spring 2021

## HONORS AND AWARDS

- **CS Faculty Choice Award**, Colorado School of Mines
  - **Dean's List**, Colorado School of Mines
  - **AP Scholar with Distinction**, College Board
  - **First Team Academic All-State**, THSCA Swim and Dive
- Spring 2024  
Fall 2021 - Fall 2023  
2020, 2021  
2021