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 Lauda

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