

# JACK BRENNAN

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## EDUCATION

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

*Bachelor of Science, Computer Science*

May 2024

Overall GPA: 3.95 | Major Specific GPA: 4.0

*Masters, Computer Science*

May 2025

**Stratford High School**, Houston, TX

May 2021

*Graduated top 10% of Class*

## RELEVANT COURSEWORK

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

## SKILLS

**Languages:** Java, C#, C++, Python, Javascript, HTML, SQL, Kotlin, OCaml, Bash

**Other Skills:** Linux OS, Git, VS Code, Visual Studio, WPF, React, Django, Agile, Scrum, TDD

## WORK EXPERIENCE

**Colorado Education Association**, Denver, CO

August 2023 - Present

*Software Engineer*

- Collaborated with a group of fellow students to design a full stack solution for a client
- Conducted weekly meetings with clients to assess requirements and presented progress reports
- Conducted extensive research in order to master a new framework

**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 the trading of millions of dollars
- Acted as the sole developer through summer-long project, dealing with full stack integration
- Led routine system-wide IT updates and facilitated integration of newly constructed building into company's existing IT infrastructure

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

December 2022 - Present

*Lead Undergraduate Teaching Assistant*

- Assisted professors in teaching Software Engineering by grading assignments, proctoring exams, and corresponding with a class of 147 students
- Coordinated with other teaching assistants and professors to identify and address common areas of confusion
- Held weekly office hours to provide individual support and guidance to students

**Nottingham Forest Swim Team**, Houston, TX

April 2017 - August 2022

*Head Coach*

- Taught swimming skills and fostered technique to over 250 children to see improving outcomes in swim meets
- Promoted open communication with parents to keep everyone informed on updates and progress
- Designed programs and strategies for practices and supervised a team of junior and assistant coaches using those programs

## ACTIVITIES

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

December 2023 - Present

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

September 2021 - Present

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

September 2021 - October 2021

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

August 2018 - May 2021

## HONORS AND AWARDS

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