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   Fall 2021 - Fall 2023
- **AP Scholar with Distinction**, College Board   2020, 2021
- **First Team Academic All-State**, THSCA Swim and Dive   2021