

BRIAN C. TANDY

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EDUCATION

Master's Non-Thesis in Computer Science

May 2026

Colorado School of Mines, Golden, CO

Bachelor's of Science in Psychology

May 2020

Colorado State University, Fort Collins, CO

Concentration in Mind, Brain, and Behavior

PROJECT EXPERIENCE

Notable Personal Coding Project:

- Generative adversarial neural network for data imputation of likert-scale data accounting for between-questions interactions

OpenAI API Team Lead, Machine Learning and AI course

August 2024-December 2024

Colorado School of Mines, Golden, CO

- Led a team of students in developing a rubric-informed academic paper feedback generator web app
- Used an AGILE development process to ensure deadlines would be met with time to spare
- Balanced lead duties like facilitating communication while also being the primary programmer
- Organized and participated in the project's presentation and demonstration

AlgoBOWL Competition - 2nd Place Finish

March 2025

Colorado School of Mines, Golden, CO

- Competed in an applied algorithms competition focused on creating solving and validating solutions for the NP-Hard "Tents & Trees" problem
- Designed a challenging test case for competing teams and developed a combination of simple heuristic-based solvers and a Tabu search metaheuristic search method using golang
- Placed 2nd out of 50+ teams in Mines' competitive AlgoBOWL and was publicly named one of the department's "brightest and best" by faculty for the team's performance
- Collaborated closely with teammates to analyze heuristics, verify solutions, and outperform most competitors in both solution score and validity

Classroom Web Application Design Study and Development

August 2023-December 2023

Colorado School of Mines, Golden, CO

- Conducted a design study to create a stake-holder-informed solution for post-pandemic classroom issues using a combination of online surveys and in-person interviews with post-hoc qualitative analysis
- Incorporated feedback from participant interviews to design a web-app addressing struggles with indicating how well students are comprehending lecture content and allowing anonymous question-asking
- Coordinated within a small dev team to create the necessary software and hardware to accomplish goals
- Overwhelmingly positive feedback from students as measured through exit surveys and continued interest in the product from professors whenever mentioned

Undergraduate Psychology Research Assistant (Dr. Rhodes' lab and Dr. Cleary's lab)

January 2018-May 2020

Colorado State University, Fort Collins, CO

- **Selected Accomplishment:** Selected out of an 8-person research team to organize and present study findings at the Rocky Mountain Psychological Association 2019 Convention.
- Designed, gained IRB approval on, and ran an exploratory, web-based survey study in collaboration with a graduate student which built upon two current and popular meta-analyses in educational psychology
- Assisted with running of human subjects research including management of IRB protocols and lab SOPs, as well as data collection and interacting with project staff and participants

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SKILLS AND CERTIFICATIONS

Coding: C++, C#, Python, PyTorch, Tensorflow, R, SQL, RISC-V, Linux, Java, Git, HTML, CSS, JavaScript, React, Next

User Experience: Community analysis, GUI design, user surveying and interviewing, Grounded Theory Method

Communication: Team collaboration, team leadership, technical writing

CITI's Research Ethics Program

8/2018; Renewed 9/2023

WORK EXPERIENCE

AI Code Evaluator (Independent Contractor)

June 2025-Present

DataAnnotation.tech (Remote)

- Selected through a rigorous coding evaluation and qualification process to contribute to AI training initiatives.
- Complete code-based annotation assignments: author, review, and validate code in Python, C, C++, and SQL to improve model accuracy and performance.
- Provide systematic feedback on AI-generated code, identifying edge cases, bugs, optimization opportunities, and writing criteria for evaluation following strict requirements.
- Maintain high-quality standards, refining solutions to align with project specifications and ensuring consistency across large datasets.

Lessons Lead

May 2022-August 2022

Guitar Center, Englewood, CO

- Promoted to Lessons Lead for exceptional customer service skills within 6 months of employment
- Worked towards providing excellent customer service while maintaining corporate policies
- Organized and held multiple student recruitment events, connected shoppers with instructors that fit their goals, led and managed a student recital
- Enacted corporate employee policy by balancing instructor concerns and corporate requirements
- Performed prior sales associate duties along with new Lessons Lead responsibilities to help alleviate understaffing issues beyond management's control
- Notified management well in advance of previously unexpected departure due to being accepted into a competitive graduate program at Colorado School of Mines, leaving on good terms

Pro Audio Sales Associate

December 2021-May 2022

Guitar Center, Englewood, CO

- Worked to find solutions to unique issues with a wide variety of recording and live performance needs
- Acquired a wide variety of knowledge about the most diverse department quickly by proactively seeking information and capitalizing on colleagues' expertise, despite having limited pro audio knowledge to start
- Prevented a fraudulent purchase missed by a veteran from a nearby store and saved Guitar Center thousands by quickly notifying other surrounding stores
- Managed sensitive customer information and multi-tasked to serve multiple areas while understaffed
- Sought feedback and adapted to stand among the top warranty sellers in the area over a short period

Undergraduate Psychology Teaching Assistant – Research Analysis (PSY350)

January 2019-May 2020

Colorado State University, Fort Collins, CO

- Maintained regular office hours to tutor undergraduate students in topics such as R coding, APA formatting and technical writing, statistical measures, common research designs and flaws, etc.
- Assessed students' level of understanding and aligned instruction to meet their individual needs
- Collaborated with graduate students and faculty to ensure consistency with grading and address concerns.
- Led various study sessions for up to 8 students at a time, providing individual and group assistance