Connor Buckley

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL
Frameworks & Libraries: React, PyTorch, Spring Boot, Scikit-Learn, Pandas, NumPy, Matplotlib
Databases: PostgreSQL, MongoDB
Tools: Git/GitHub (CLI), Jupyter Notebooks, Maven, IntelliJ IDEA, PyCharm, VS Code
Deployment/Cloud: Render, Cloudinary, AWS

EDUCATION

San Jose State University, San Jose, CA, *Bachelor of Science:* Computer Science   Expected May 2027
Relevant Coursework: Computer Architecture
San Diego Mesa College, San Diego, CA, *Associate in Science for Transfer:* Computer Science   June 2025
Relevant Coursework: Java Programming (Intro & Intermediate), Data Structures & Algorithms

RELEVANT EXPERIENCE

Club Member, SJSU Computer Science Club, San Jose, CA   September 2025 - Present
- Identified and currently in recruitment as a member of the prestigious dev team within the first 30 days of joining
- Accelerated officer onboarding implemented due to project-based scouting discovered during club meetings

Beach Attendant, Hotel Del Coronado, Coronado, CA   March 2022 - July 2025
- Delivered luxury guest services at Hotel Del Coronado, a Forbes Travel Guide recognized resort
- Developed and trained coworkers on standard operating procedures pertaining to daily beach staging of 100s+ chairs, umbrellas, and cabanas to ensure guest comfort, satisfaction, and experience consistency
- Administered delivery of necessary guest amenities, including but not limited to fresh towels, moisturizing sun-screen, and chef-curated menus through delegation and demonstrated self-directed drop-off

Club Member, SDCCD Computer Science Club, San Diego, CA   August 2022 - May 2024
- Developed and deployed a Discord bot (Java/Spring Boot/Discord4J) to automate scheduling, streamline polls, and manage elections for 200+ members
- Engineered persistent database integration to manage 200+ members' profiles, ensuring secure and reliable access

PROJECTS

Mushroom Vision – CNN-Based Image Classification, *Spring Boot, React, PyTorch, PostgreSQL, Render*
- Trained and optimized a convolutional neural network on 3,000+ mushroom images, achieving 92% classification accuracy in distinguishing edible vs. poisonous species
- Deployed REST APIs (Spring Boot + Python) with PostgreSQL persistence, integrating models into a full-stack web app for real-time image upload and classification

NASA Solar System Simulator *Python, NumPy, Numba, SpiceyPy, Matplotlib*
- Simulated planetary orbits using NASA's DE440 ephemeris, modeling planetary positions within <1 km accuracy
- Implemented advanced numerical integrators (Euler, RK4, symplectic) and post-Newtonian gravity corrections to model 10+ celestial bodies over 10,000+ simulated years

Construction Business Website, *JavaScript, React, Tailwind CSS, Node.js, Express.js, MongoDB*
- Programmed a responsive full-stack website as a consulting service for a local construction startup, enabling online discovery and client service requests for the first time in company history
- Implemented a secure backend with authentication, service management, and form submission handling, ensuring reliable data storage with MongoDB

Additional Work & Experience
- **PrincetonHack**, Princeton, NJ   November 2023
- **Undergraduate Research Opportunities Program**, San Jose, CA   August 2025 - Present
- **Star Scout, Boy Scouts of America**, San Diego, CA   November 2015 - May 2022