

# McKenzy Paige Johnson

Computer Engineer

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**OBJECTIVE :** I am excited about integrating Machine Learning and Artificial Intelligence into airborne and defense technologies to improve their function. In addition to my IoT and Embedded Systems emphasis, I will also be completing a minor in Machine Learning.

## EDUCATION

### Colorado State University | Fort Collins, CO

May 2025 Graduation - **Bachelor's in Computer Engineering w/ IoT and Embedded Systems Emphasis and Minor in Machine Learning**

Completed 40 credits (2022-23) with a **3.6 GPA**

**Relevant Coursework:** DC & AC Circuit Analysis, Digital Circuit Logic & Design, Microcontrollers, Data Structures, Electromagnetics, Machine Learning (Sp'24), Computer Organization (Sp'24)

San Diego Community College | San Diego, CA Completed 37 units (2020-21) with a **3.9 GPA**

MiraCosta College | Oceanside, CA Completed 34.5 credits (2021-22) with a **3.7 GPA**

## WORK EXPERIENCE

### Student Research | Systems Engineering, Colorado State University

January 2023 – August 2023

- Created a high-level computational systems model for UAVs
- Applying Model-Based Structured Requirements to TRAS testbed

### Instacart Shopper | San Diego, CA & Fort Collins, CO

January 2021 – December 2022

- Self-managed 20 hour/week work schedule w/ attending school full-time
- Maintained 5-star reviews demonstrating diligence to fulfill customer needs

### Cashier/Bakery Lead | Panera Bread | Carmel Mountain, CA

April 2020 – March 2021

- Promotion gained by hard work, organization, and leadership skills
- Strong communication skills leading to returning customers

### Tennis Instructor | Poway, CA

August 2016 – May 2017

- Developed leadership and team skills organizing and co-teaching classes
- Learned creativity in designing drills and personalized instruction

## SKILLS

- Java
- MATLAB
- Cadence
- Verilog
- Soldering
- Circuit Design/Analysis
- C/C++
- Python
- Leadership
- Debugging
- Adaptability

## PROJECTS

- Light-sensing Motor Car (EE Team Project)
- Computational Systems Model of UAV
- Java Capstone: Coffee Shop Inventory App
- C++: Block/Stream Cipher w/ XOR Encryption
- C++: Event Scheduler

## EXTRA CURRICULARS

- RamBOT Project – verify/test existing code, develop ML software
- Assissant in science camp to 40+ students
- Varsity women's soccer at MiraCosta College
- Participation and volunteer w/ Women's club soccer at CSU