

Owen Rotenberg

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Education

California State University, Fullerton

B.S - Computer Science

Expected: May 2026

Cumulative GPA: 3.50

Coursework: Algorithms, Data Structures, Object Oriented Programming, Cybersecurity, Discrete Mathematics, Applied Statistics, Economics

Involvement: Association for Computing Machinery (ACM)

Projects

Neural Network Handwritten Digit Recognition | [Github](#) | Python, Jupyter Notebook, TensorFlow, Keras October 2023

- Designed a **deep-learning** model that achieved 97% accuracy when classifying images of hand-written digits
- Utilized **TensorFlow** and **Keras** within a **Jupyter Notebook** environment to construct and train a neural network for handwritten digit classification using the MNIST dataset

Grocery Management System | *CPCS 131: Data Structures* | C++

Fall 2023

- Developed a Grocery Management System utilizing move semantics, **recursive algorithms**, and optimized data structures for efficient list management and **database integration**
- Proficient in C++, showcased skills in algorithm design, **reducing time complexity**, and resource management

Experience

Amateur Pickleball Association

May 2023 – Present

Tournament Director

- Directed high-profile pickleball tournaments across several states independently or with an assistant with up to 200 competitors
- Achieved a remarkable **40% increase in tournament speed** through trials pioneering the “Swish” app
- Engaged participants through effective communication and public speaking and delivered clear and concise instructions, fostering a positive tournament atmosphere, contributing to the overall success of each event
- Implemented effective data input processes, utilizing online platforms and software tools for streamlined tournament management

Omni Hotels & Resorts

April 2023 – August 2023

Bellperson/Valet

- Directed valet and bellstaff operations at a 400-acre, 600-room resort, orchestrating seamless arrivals and departures for 300-400 guests on peak days, ensuring an exceptional guest experience

Omni Hotels & Resorts

April 2022 - August 2022

Front Desk Agent

- Utilized computer skills to enhance front desk efficiency and elevate guest experiences at a luxury resort

Skills

- **Scripting/Programming Languages:** C, C++, Python, R, Bash
- **Tools:** Jupyter Notebook, Git, RStudio, VirtualBox, Windows, Linux
- **Libraries:** TensorFlow, Keras, Matplotlib, NumPy
- **Interests:** Climbing, Surfing, Snowboarding, Camping