Steven Trujillo

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Education

San Diego State University   San Diego, CA
Bachelor of Science: Computer Science, Cumulative GPA: 3.51   Aug 2021 - Dec 2024

- **Coursework:** Computer Organization, Data Structures, Intro to Software Systems, Artificial Intelligence, Machine Learning, Computer Architecture

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Skills

Programming Languages: C++, Java, Python, R, MIPS
Web Development: HTML, CSS
Tech: Eclipse, Pycharm, CLion, Git, Mars, Rstudio
OOP Design and Development, Data Structures and Algorithms, Software Development Life Cycle

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Projects

Image Captioning AI | (Front-End, Back-End)   August 2023 - To Present
AI Club Project | In-Progress
- Utilize hugging face **blip image captioning model**
- Retrained the model with new data to suit the needs of the project
- Used **PIL library** to insert text within the image
- Design a website with **stream-lit** open-source app framework

Lower Case Letter Identification | (Back-End)   May 2023 - August 2023
Personal Project | Github
- Built a **Neural Network** from scratch in Python utilizing the NNFS book
- Successfully uses image processing to analyze images (**Computer Vision**)
- The training uses dense layers with **ReLu** and **Softmax activations**
- Loss is calculated with **Categorical Cross-entropy** and uses **Optimizer Adam**
- All data was created and preprocessed by myself to achieve an accurate model
- Predictions fall within 98% accuracy with a less than 0.2 loss achieved

Internet Scrapper | (Back-End)   August 2023 - To Present
Personal Project | Github
- Designed an essential web scrapper that utilizes the **Beautiful Soup library**
- Successfully connects to web pages and gathers data through HTML
- Exports data collected from websites into a **CSV file** properly aligned
- Data can easily be accessed and used to train models

Leadership & Activities
- Artificial Intelligence Club - Member
- SHPE Club - Member
- Tau Kappa Epsilon - Member