**Chase Adams**

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**EDUCATION**

**University of California – Berkeley****Aug 2019 - Dec 2022**

Electrical Engineering and Computer Sciences BS, Minor in Data Science *Berkeley, CA*

* 3.77 GPA
* **Relevant coursework**: Multivariable Calculus, Linear Algebra, Interpretation of Computer Programs, Discrete Math and Probability, Foundations of Data Science, Data Structures and Algorithms, Computer Architecture, Artificial Intelligence, Efficient Algorithms, Machine Learning, and Deep Neural Networks

**SKILLS**

**Programming**: Strong experience in Python, C, SQL, Java, HTML/CSS, RISC-V, and R. Some experience with JavaScript, React Native, and LaTeX. Strong understanding of algorithmic problems and quick to pick up new languages

**Machine Learning Algorithms**: Linear Regression, Random Forests, CNNs, RNNs, LSTMs, Transformers

**Other Technologies:** Windows, Linux (WSL and dual boot), Git, Bash, CLI

**WORK EXPERIENCE**

**AI Camp** **May 2022 - Present**

*Data Science Intern Remote*

* Completed crash course projects and instructed remote classes in Computer Vision (YOLOv5), NLP (GPT), Web Development (HTML/CSS & Express.js), and Game Development (PyGame) in classes of six students
* Built a React Native mobile app utilizing computer vision as a part of an outside intern project
* Created visualizations of student feedback data using SQL on Metabase to track student performance and to create metrics to identify high achievers in a program of over 100 students
* Assisted in creating Replit tutorials on using AI to train an agent to play a game with NEAT and PyGame available to all 6,000,000+ Replit users

**University of California, Berkeley****August 2022 - December 2022**

*CS61C Tutor Berkeley, CA*

* Worked on the course staff for UC Berkeley's Machine Structures course (CS61C) as a tutor in Fall 2022
* Taught weekly review sessions to a class of six students and held office hours multiple times a week to answer conceptual questions and assist students with debugging code (C and RISC-V)

**SwingVision****December 2021 - May 2022**

*Data Labeling Intern (Computer Vision and AI) Remote*

* Labeled images of tennis matches to be fed into an ML model for a cutting edge computer vision startup app maintaining the minimum labeling accuracy of 95% needed for model training

**Yartsev Lab****September 2021 - December 2021**

*Undergraduate Researcher Berkeley, CA*

* Collaborated with a team of other undergraduate students to study machine learning techniques and apply them to parse Egyptian fruit bat vocalizations from noise recordings using PyTorch
* Researched how sound is represented and analyzed, and about state of the art techniques used to record and extract bioacoustic features of animal vocalizations
* Analyzed and compared accuracies of diﬀerent models using matplotlib and pandas, correctly classifying 98% of vocalizations in our best model

**Skoruz Technologies****April 2020 - January 2022**

*Software Project Intern Remote*

* Implemented REST APIs in Python with Flask and Django using MySQL and PostgreSQL to store data
* Introduced to computer vision through over a dozen transfer learning use case projects including OCR, face detection, face mask detection, and object classification