ANDREW ROSSELL

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EDUCATION

Loyola Marymount University	**Los Angeles CA**
Bachelor of Science, Computer Science; Minor: Math, Major GPA 3.5	May 2022

Undergraduate Classes: Artificial Intelligence, Deep Learning, Linear Algebra, Calculus III
Graduate Classes: Natural Language Processing, Machine Learning

SKILLS

Experienced Programming Languages: Python, Java, JavaScript, C++
Development Tools: Git, GitHub, Eclipse, Visual Studio Code, Vim
Development Environments: Windows, Linux (Ubuntu, Arch)
Development Libraries: React, PyTorch, Scikit-learn, NumPy, Mocha

RELEVANT PROJECTS

LUX AI
- An online AI challenge of creating an agent playing a resource management game.
- Approached the challenge with a convolutional neural network using Pytorch.
- Trained an agent using reinforcement learning with a dataset from Kaggle.
- The agent was able to beat a baseline agent and perform new strategies.

Haiku Generator
- Trained OpenAI GPT3 through to generate Haikus given a specific theme
- The model only needed a small dataset and a prompt to be train, since GPT3 is pretrained
- Created a webapp, using Flask, to allow a users submit a theme and see resulting haiku

EXPERIENCES

LMU Languages and Automata I - Senior TA — **Los Angeles CA**
- Mentored TAs from lower division courses to grow their skills — Fall 2021-Spring 2022
- Conducted reviews of the Turning Machine concept
- Assisted students with Python and JavaScript code debugging

LMU Google CSSI Program - Intern — **Los Angeles CA**
- Conducted weekly check-ins to mentor an assigned group of 4 students — Summer 2021
- Responded to ad-hoc questions during and outside of class over Slack
- Hosted virtual community building events for the class of 13 students
- Supported an inclusive and safe learning environment

LMU Computer Science Department Lab - TA — **Los Angeles CA**
- Conducted 1:1 sessions to clarify programming topics — Fall 2020-Spring 2021
- Hosted lab sessions to provide tutoring and reinforce concepts
- Provided orientation to Github and Git development environments