West Palm Beach, Fl
candice.eve.miller@gmail.com
(561) 339-1154

Candice Miller

linkedin.com/in/candice-eve-miller
github.com/candiceevemiller

I am an ex-Physics and Earth Science teacher looking to make a change to AI research and ML engineering. I'm interested in applications in robotics, education technology, climate change mitigation, quantum computing, and entertainment. I want to bring a little more magic into this world.

Work Experience

Secondary Science Teacher **Palm Beach County School District** **Sep 2016–Present**
AP Physics and Earth Science   Greenacres, FL

- Science Fair Coordinator
- Gay Straight Alliance Sponsor
- Physics and Math Tutoring
- Revamped entire AP Physics Program

Coding Instructor (Volunteer) **Women's Code and Coffee** **2018–Present**
West Palm Beach, UK

- Worked with a team of established engineers to teach topics in responsive web design and python

Math and Physics Tutor **Self Employed** **2010–Present**
West Palm Beach, FL

- Worked with students ranging from elementary to college in math and physics to increase student outcomes 3 grade levels on average

Education and Certifications

- **Quickstart Bootcamp Certificate Artificial Intelligence/Machine Learning,** Florida Atlantic University **2021–2022**
- **B.A. Physics,** University of South Florida, Tampa, FL **2012-2016**
- **Certificate in Japanese Studies,** Kansai Gaidai University, Hirakatashi, Japan **2015**

Technologies and Languages

- Computer Languages: Python, C++, HTML, CSS, Javascript
- Technologies: Tensorflow, Pytorch, Scikit-Learn, SQL, Jupyter, Pandas, Numpy, Bootstrap, NLTK
- Other: Data structures and algorithms, Regular Expressions, Data Scraping, Data Mining, Deep Learning, Computer Vision, Research, Experimental Design, Statistical Analysis
- Human Languages: Japanese, Spanish

Projects

- **Deep Dream Reimplementation** Reimplemented Deep Dream from scratch in both Tensorflow and Pytorch.
- **Balanced EMNIST Classifier** Because MNIST is too easy! Achieved 89% classification accuracy, matching best architectures online. Difficulties pushing beyond 90% accuracy due to the similarity of some characters (lowercase and capital F, among others)
- **Millennium 3D Chess Engine** (In Progress) Millennium 3D chess is a chess variant on three stacked boards. Project is to build a game that allows you to play 3D chess (which requires board representation, legal move checking, etc) and to build an AlphaZero Reinforcement learning agent to play against.
- **Fetch Quest** (In Progress) The game where you're a dog! A simple top-down RPG. Built in PyGame.