

Michael Romero

Software Developer

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GitHub



LinkedIn

EDUCATION

B.S.

Mathematics and Statistics

California State University Long Beach

May 2020

A.S.

Mathematics

Orange Coast College

May 2016

A.A.

Liberal Arts

Orange Coast College

May 2016

CERTIFICATIONS/ BOOTCAMPS

Python for Data Science and Machine Learning Bootcamp

Udemy

April 2021

Machine Learning, Data Science and Deep Learning with Python

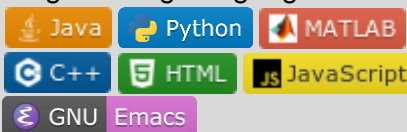
Udemy

May 2021

SKILLS

Mathematics: statistics, analysis, theory, modeling, and application

Programming Languages:



Programming Tools:



Career Objective

Obtain a professional position to integrate my discipline of mathematics with my experience of computer science.

Experience

Software Developer / Data Analyst

Leaf Group (2021-)

Provide data support for editorial and SEO teams (BigQuery, Semrush).

Create data pipelines (MongoDB) to update and improve web domains. Build tools (Python/JS on Jenkins) for monitoring site analytics, metrics, and content generation.

Data Scientist

Sports Betting Innovation Analytics (2020-2021)

MLOps including preprocess and develop features from data stored in NoSQL databases (MongoDB). Develop tools to automate training of models. Create EC2 Instances (AWS) to use Apache Airflow to launch developed scripts.

Math Department Undergrad Tutor

California University of Fullerton (2019-2020)

Courses include: single/multi variable calculus, linear algebra, modeling differential equations, probability/statistics, complex/abstract analysis, etc.

Software Developer

BoardWest (2017-2019)

Developed software for e-commerce backend automation. Python applications included: processing orders, printing shipping labels, updating inventory, and processing emails. Applications ran on local network, AWS, and online for remote employee access.

Personal Projects

Machine Learning

[Fortnite Aim Bot](#) - Program runs concurrently with game window to detect and display enemies during live runtime. Auto fires at detected enemies.

[Computer Vision App](#) - Django web application passes user upload images through Tensorflow's Resnet v2 and display results with bounding boxes. Option to use Resnet50 for faster object classification.

[Computer Vision Stream](#) - GUI with Tkinter displays bounding boxes of objects detected on monitor. Bounding boxes mouse transparent.

[FaceAnon App](#) - Blur faces from video and image files with Yolov5. Repo is wrapped into single executable file found in README.

Automation

[Student Record Consolidation](#) - Consolidate student records on the web database Slate. Consolidate by features like same University key, same address, etc. I've wrapped this script as an .exe for Chapman University remote employee use.

[PyMovieSearch](#) - Find which platforms carry a movie title by using a web crawler to auto query for live results.

[Ebook to PDF](#) - Converts eBooks only viewable on proprietary software to downloadable pdfs with searchable text.

[Offer Up](#) - Logs into OfferUp and submits offers at given fraction of listing price. Filtering options available.

[Instagram Automation](#) - Organically grow instagram account by engaging with followers of specific demographic.