

Michelle Adea

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SKILLS & CERTIFICATIONS

Skills: Python | Java | C/C++ | JavaScript | HTML | CSS | Agile | Git

Libraries: Pandas | Numpy | Scikit-learn | Scipy | Matplotlib | Seaborn

Models: Linear Regression | Decision Tree | Random Forest | Support Vector Machines | k-Nearest Neighbors

Feature Selection: Principal Component Analysis

IDE: VSCode | Jupyter Notebook | Google Colab

Certificate: Udacity AWS Machine Learning Foundations

Leadership: Women in Data | Women Who Code Data Science

PROJECTS

Motion History Image Activity Classification

Final Project: Computer Vision

- Reproduced activity classifier based on methods from The Representation and Recognition of Action Using Temporal Templates by J. Davis & A. Bobick (1997) to capture Motion History Images (MHI)
- Applied k-nearest neighbors classification model in Python to premade video dataset Recognition of Human Actions created by Schuld, Laptev, & Caputo, resulting in low accuracy of 33.8% activity classification

WORK EXPERIENCE

Data Science Fellow (DS4A/Women)

Remote

Data Science For All by Correlation One

June 2022 - August 2022

- Selected to participate in 7-week data science fellowship with <5% acceptance rate of >6k global applicants
- Established mentorships with industry experts and career success coaches to improve professional development
- Collaborated in a team of 6 with various backgrounds in academic research, business intelligence, data analysis, and machine learning to develop a capstone project that evaluated the problem: Impact of Subway Maintenance on Surface Traffic Congestion in the City of Chicago
- Learned skills in exploratory data analysis (EDA), data cleaning, SQL basics, statistical testing, bias recognition, AI ethics, & linear & logistic regression modeling to solve real-world business cases presented by data science & AI lecturers trained & educated at top institutions like Carnegie Mellon, Duke, & Columbia

Code Sensei/Instructor

Rancho Bernardo, CA

Code Ninjas, Rancho Bernardo

April 2019 - December 2019

- Guided students at various skill levels between the ages of 7-14 through completing the Code Ninjas curriculum that coded in Scratch & JavaScript teaching skills in coding, math, logic, & problem-solving
- Responsible for demonstrating the Code Ninjas curriculum in game-building sessions to customers
- Provided individual feedback and progress to customer after each coding session
- Prioritized tasks in a fast-paced environment with fellow Code Senseis and Center Director

Technical Information Coordinator

Burlingame, CA

Acumen, LLC

November 2015 - March 2017

- Produced user stories, workflows, interface design prototypes, & support documentation with Agile methods
- Delivered with software engineering teams to bring stakeholders & compliance teams' requests to the backlog
- Facilitated collaboration & communication among application developers, software developers, system administrators, data security analysts, and data systems programmers
- Created demos with Camtasia & presented via Cisco WebEx to walk through the functionalities of complex technical applications to stakeholder Centers for Medicare & Medicaid Services (CMS)
- Worked in a highly regulated environment, compliant to Federal Information Security Modernization Act (FISMA), Health Insurance Portability & Accountability Act (HIPAA), & other regulations, understanding the importance of data governance

EDUCATION

MS in Computer Science with specialization in Machine Learning

Expected: December 2023

Georgia Institute of Technology

(Remote) Atlanta, GA

- Coursework: Software Development Process | Machine Learning | Computer Vision | Machine Learning for Trading | Knowledge Based Artificial Intelligence | Artificial Intelligence for Robotics | Intro to Operating Systems | Women in Tech Seminar

Certificate of Achievement in Computer Science

December 2019

Palomar College

San Marcos, CA

BS in Cognitive Science with specialization in Neuroscience

June 2015

University of California, San Diego

La Jolla, CA