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   *May 2021*
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 Schuldt, 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 - Present*
- Selected to participate in 7-week data science fellowship with <5% acceptance rate of >6k global applicants
- Establish mentorships with industry experts and career success coaches to improve professional development
- Collaborate in a team of 6 with various backgrounds in academic research, business intelligence, data analysis, and machine learning to develop a capstone project that addresses the problem: How Public Transportation Affects Traffic Congestion in the City of Chicago
- Learn 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 leading 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
- Worked 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*