

Skills:

Proficient: Python, Flask, AWS, Git, PyTorch, Sci-Kit Learn

EXPERIENCE

ShopRunner

2019 - Present

Data Scientist

- Completed various predictive modeling projects that bring business value to the company
- Increase efficiency and accuracy of department classifications for retail products
- Conference speaker addressing how to add business value as a data scientist and engage others in projects

Digium Inc.

2015 - 2017

Software Engineer

- Slashed crash reports 20% and improved store ratings by redesigning cross-platform application in F# and C#
- Used JavaScript, HTML, and CSS to rewrite web extension for compatibility with new API

UC San Diego Computer Science Department

2014 - 2016

Head Tutor

Data Structures and Object Oriented Design (CSE 12):

- Lead a 50-60 person team of tutors
- Taught in-depth understanding of data structures
- Taught C, C++ and Java concepts

Software Engineering (CSE 110):

- Graded mobile and web applications for functionality and consistency
- Critiqued Agile and Waterfall artifacts

Calcutt Lab

2012 - 2015

Research Technician

- Increased efficiency of nerve density analysis 5X by developing a novel pattern matching algorithm
- Designed new hardware for corneal animal research now used in 3 other research facilities
- Third author on paper published in Canadian Journal of Diabetes

Amigos de las Americas

2014 - 2016

Training Director and Board Member

- Hired and managed an 8 person team and increased applications for positions by 20% the following year
- Eliminated standards violations from a 12.5% average the past 3 years by redesigning training activities
- Communicated tasks between organization's board, parents, volunteers and training team

PROJECTS

EdTech VR Game

2019

- Designed a VR simulation game in Unity3D
- Taught programming, data structures, and object fundamentals to children no technical knowledge

OpenAI gym Lunar Lander - Python

2018

- Solved in 100 steps or less using deep learning (DDQN) and Keras.

Solar Powered Water Pump

2013 - 2015

- Designed, optimized, and constructed efficient pump to run on solar energy
- Elected team lead of the nearly twenty person collaboration
- Chosen to represent the project at the 2015 CGIU Conference in Miami, Florida

EDUCATION

Georgia Institute of Technology - Part-Time December 2020

Master of Science, Computer Science - Machine Learning

UC San Diego

Bachelor of Science, Computer Science w/ Specialization in Bioinformatics