Wesley Stevens

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Summary

Leverages understanding of AI to develop cutting edge solutions to unsolvable modern problems. Achieves algorithmic excellence through implementing research papers, manipulating data, and inventing new methods.
• Drives fast-paced model improvement, development, and deployment
• Slashed computational costs from 3 hours to 3 minutes by inventing a new algorithm. Published at a Secret DoD conference
• 4 years programming Artificial Intelligence (AI) and Machine Learning (ML) solutions in Python
• M.S. in Data Science at Syracuse University. B.S. in Applied Math, Minor in Computer Science at BYU

Experience

Machine Learning Engineer
Scorpion

Jan 2021 - Present (3 months +)
• Automate and optimize ad targeting options using Bayesian reinforcement learning algorithms in Python

Machine Learning Engineer
SRC

Jul 2019 - Jan 2021 (1 year 7 months)
• Deployed, researched, and developed real-time object detection pipelines on embedded platforms using Python & PyTorch
• Slashed computation for a process from 3 hours to 3 minutes by inventing a new method
• Published and presented 2 research papers on out-of-distribution detection and meta learning
• Analyzed large datasets with exploratory data mining and analysis on adversarial attacks

Principle Developer
Turf Sports Inc

May 2018 - Jul 2019 (1 year 3 months)
• Developed the front-end for an Android and iOS app using Xamarin, C#, and XML that connects players and teams to pick-up sports
• Met weekly with a remote agile-development team to plan and code from Balsamiq Mockups

Data Analyst
Brigham Young University Marriott School of Business

Apr 2018 - Apr 2019 (1 year 1 month)
• Created a web crawler that scraped 1000+ web pages, creating a dataset for statistical analysis on published professors with Selenium, Python, and Linux
• Automated 200+ man-hours of manual data collection per session

Research Assistant, Mathematics Department

Brigham Young University

Jan 2017 - Dec 2018 (2 years)

• Modeled the growth of stable n-dimensional mathematical graph networks using Mathematica

• Invented mathematical algorithms and helped publish the findings in a peer-reviewed, professional journal

Junior Software Developer

RDA, Inc.

May 2018 - Aug 2018 (4 months)

• Automated report generation of Naval buoy drift behavior, saving the company 100+ man-hours

• Consolidated data from 21 different instruments to generate statistics using MATLAB

Education

Brigham Young University

Bachelor of Science - BS, Computational and Applied Mathematics

2014 - 2019

BYU is where I learned all of my technical skills and developed a love for AI/ML and Storytelling

Syracuse University

Master of Science - MS, Data Science

2019 - 2021

Check out my portfolio of projects done at SU!

Brigham Young University

Computer Science Minor

2014 - 2019

I programmed an R-CNN, a mobile app, and a relational database engine

Skills

Machine Learning • Python (Programming Language) • Computer Vision • Data Science • Mentoring •
SQL • NumPy • PyTorch • Bayesian Reinforcement Learning • Optimization