

NICK HENDERSON

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PROFESSIONAL EXPERIENCE

Nike Beaverton, OR
Software Engineer Jun 2023 | Present

- Collaborated with data scientists to build data, training, and inference systems for NLP, recommendation, and prediction models using Python
- Deployed large-scale PySpark ETL and preprocessing pipelines, handling millions of rows daily
- Optimized a business-critical machine learning process, reducing runtime and compute costs by 80%+ and eliminating recurring production failures
- Created a cluster resource utilization dashboard, saving \$1M annually by identifying over-resourced jobs and aiding in production failure debugging
- Conducted technical interviews and mentored junior engineers and interns

Associate Software Engineer Sep 2021 | Jun 2023

- Deployed CI/CD pipelines in Jenkins and Airflow DAGs for pipeline orchestration
- Implemented ML model management features like model versioning, rollback, and promotion in Python
- Authored and implemented comprehensive code lifecycle standards cutting PR review time by 50%
- Designed and adopted a packaging and testing framework, enabling coverage and data quality measurement and adherence to high-quality development practices

Software Engineering Intern Jun 2020 | Aug 2020

- Integrated pose estimation model into augmented reality mobile application using Javascript and C++
- Wrote real-time video demo with TensorFlow to test and debug pose estimation
- Implemented linear algebra and matrix manipulation functions to replace Tensorflow and NumPy dependencies

Oregon Networking Research Group Eugene, OR
Undergraduate Researcher Jan 2020 | Jun 2020

- Developed multi-task machine learning models to classify internet measurements and tested their effectiveness against single-task models
- Built and trained models using Snorkel and PyTorch
- Wrote bash scripts to collect and stage latency measurements

Cisco San Jose, CA
Sales Engineering Intern Jun 2019 | Aug 2019

- Rewrote legacy Python Django project used by clients to demo distributed network control
- Performed testing and code review for distributed network control software

AMN Healthcare San Diego, CA
Software Engineering Intern Jun 2018 | Sep 2018

- Designed a recommendation system using Python and Azure ML to match clinicians with job orders
- Implemented an original scoring algorithm in R used to compare job orders at-a-glance, improving desirability predictions by 300%
- Wrote and presented data analysis reports to company leadership

EDUCATION

University of Oregon Eugene, OR
BS Computer and Information Science Sep 2017 - Jun 2021
Minors in Business Administration, Entrepreneurship GPA: 3.78

SKILLS

Languages: Python, MySQL, C++
Technologies: Apache PySpark, Delta Lake, PyTest, PyTorch, Flask, Git
Platforms: Airflow, Jenkins, AWS S3, Databricks, GitHub, AWS Sagemaker