Nick Henderson

nick@nihenderson.com · 925.997.1089 · github.com/nhend

Education

University of Oregon — Eugene, OR
BS Computer and Information Science — Sep 2017 - Apr 2021 (Expected)
Minors in Business Administration, Entrepreneurship — *GPA: 3.75*

Skills

Languages:	Python, Javascript, C++, C, R, Java
Tools:	Tensorflow, Pandas, Docker, Snorkel, Flask, Snapchat Lens Studio, Azure ML

Professional Experience

Nike — Beaverton, OR
Software Engineering Intern — Jun 2020 | Aug 2020

- Integrated pose estimation machine learning model into augmented reality mobile application using Javascript
- Wrote Python image 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 with Ramakrishnan Durairajan — Jan 2020 | Present

- Developed multi-task machine learning models to classify internet measurements and tested their effectiveness against single-task models performing the same function
- Built and trained models using Snorkel and PyTorch
- Wrote bash scripts to collect and clean ping 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
Machine Learning Intern — Jun 2018 | Sep 2018

- Designed machine learning model using R, Python, and Azure ML to match traveling clinicians with job orders
- Wrote and implemented an original scoring algorithm used to compare orders at-a-glance, improving quality predictions by 300%
- Wrote and presented data analysis reports to company leadership

Projects

Brevet Time Calculator Application *Python*
Class project to calculate controle times for brevets (cycling) and demo authentication. Client was built with AJAX and jQuery, server and storage with Flask and MongoDB. Deployed using Docker.

Sbotify *Python* — *github.com/nhend/sbotify*
A bot that scrapes Reddit comments for song names and creates a Spotify playlist of every song mentioned in a thread, intended to be used for song suggestion threads. Uses the Spotify API (Spotipy) and the Reddit API (PRAW).

Awards

Juilfs Scholarship in Computer Science — University of Oregon
Awarded to students who show exceptional promise for achievement as evidenced — May 2020
by GPA and originality of research

Centurion Award — University of Oregon
Given to undergraduate and graduate students for academic dedication and outstanding — May 2019
service as a student leader (fraternity president)