

NICK HENDERSON

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EDUCATION

University of Oregon

BS Computer and Information Science

Minors in Business Administration, Entrepreneurship

Eugene, OR

Sep 2017 - Apr 2021 (Expected)

GPA: 3.75

SKILLS

Languages: Python, Javascript, C++, C, R

Tools: Tensorflow, Pandas, NumPy, Flask, Docker, Snapchat Lens Studio/SnapML

PROFESSIONAL EXPERIENCE

Nike

Software Engineering Intern

Beaverton, OR

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

Undergraduate Researcher with Ramakrishnan Durairajan

Eugene, OR

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

Sales Engineering Intern

San Jose, CA

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

Software Engineering Intern

San Diego, CA

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 Web Application Python

Class project to calculate control times for brevets (bicycling) and learn about 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

Awarded to students who show exceptional promise for achievement as evidenced by GPA and originality of research

University of Oregon

May 2020

Centurion Award

Given to undergraduate and graduate students for academic dedication and outstanding service as a student leader (fraternity president)

University of Oregon

May 2019