

# NICK HENDERSON

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## EDUCATION

### University of Oregon

BS Computer and Information Science

*Minors in Business Administration and Entrepreneurship*

Eugene, OR

Sep 2017 - Jun 2021 (Expected)

GPA: 3.7

## SKILLS

Languages: Python, C++, C, JavaScript, R, Java

Tools: Pandas, Snorkel, Docker, Git, Linux, Flask, Azure ML

## PROFESSIONAL EXPERIENCE

### Oregon Networking Research Group

*Undergraduate Researcher*

*Mentor: Ramakrishnan Durairajan*

Eugene, OR

Jan 2020 | Present

- Implemented multi-task machine learning models to classify internet measurements and tested their effectiveness against single-task models performing the same function
- Found 5-10% increase in performance using a multi-task approach trained in nearly one third of the time required by the single-task models

### 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
- Revised 700-page proof-of-value documentation to better communicate the product's use to customers

### AMN Healthcare

*Machine Learning 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%
- Cleaned and staged millions of rows of data and performed filter-based feature selection to narrow focus from 86 to 17 features per object
- Wrote and presented data analysis reports to company leadership, including business significance of "success predictors"

## ORGANIZATIONS

### Alpha Tau Omega Fraternity

*President*

University of Oregon

Jan 2019 | Jan 2020

### Four 4 Four Charitable Fund

*Board of Directors*

San Diego, CA

Dec 2015 | Present

## PROJECTS

### Brevet Time Calculator Application Python

Class project to calculate control times for brevets (cycling). 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).

### Parser Python

github.com/nhend/parser

A script made to help linguistics students with assignments by parsing words into prefixes, roots, and suffixes (known as "morphemes") based on a 1000+ item database and linguistic rules.

## AWARDS

### Centurion Award

Recognized for outstanding service as a student leader and academic dedication

University of Oregon

May 2019

### Deans List

Awarded to students with a 3.75 GPA or better

University of Oregon

Fall 2017 - Fall 2020