

NICK HENDERSON

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EDUCATION

University of Oregon BS Computer and Information Science <i>Minors in Business Administration and Entrepreneurship</i>	Eugene, OR Sep 2017 - Jun 2021 (Expected) <i>GPA: 3.80</i>
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SKILLS

Languages:	Python, C++, C, JavaScript, R, Java
Tools:	Pandas, Snorkel, Docker, Git, Linux, Flask, Azure ML

PROFESSIONAL EXPERIENCE

Oregon Networking Research Group <i>Undergraduate Researcher</i> <i>Mentor: Ramakrishnan Durairajan</i>	Eugene, OR Jan 2020 Present
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- 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 <i>Sales Engineering Intern</i>	San Jose, CA Jun 2019 Aug 2019
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- 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 <i>Machine Learning Intern</i>	San Diego, CA Jun 2018 Sep 2018
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- 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, including business significance of "success predictors"

ORGANIZATIONS

Alpha Tau Omega Fraternity <i>President</i>	University of Oregon Jan 2019 Jan 2020
Four 4 Four Charitable Fund <i>Board of Directors</i>	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

Juilfs Scholarship in Computer Science <i>Awarded to students who show exceptional promise for achievement as evidenced by GPA and originality of research</i>	University of Oregon May 2020
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Centurion Award <i>Given to undergraduate and graduate students for dedication and outstanding service as student leaders</i>	University of Oregon May 2019
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