JOHN HUNTER

Computer Scientist and Software Developer

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EXPERIENCE

Back-end Developer & Data Wrangler

Localify.org

📅 May 2020 – August 2021   📍 Remote

- Boosted site functionality by adding over 1,000 cities and 30,000 new artist to city connections with strategic web-scrapers built in Python
- Constructed web-scraping infrastructure to keep the database perpetually up-to-date
- Crafted a user testing script for co-workers to use to gather insights about features to focus on

Back-end Developer

Cornell Veterinary School

📅 May 2019 – February 2020   📍 Ithaca, NY

- With solely the ideas of the client, designed, implemented and tested an Intelligent Tutoring System currently used in the Cornell Veterinary School curriculum.
- Led a team of 5 junior developers through scrum practices, held daily stand-up meetings, maintained a scrum board and end of sprint review
- Demonstrated a working prototype to clients biweekly in order to create a new sprint goal

RESEARCH

Machine Learning Engineer

Fairness in Music Recommendation Systems

📅 December 2020 – May 2021   📍 Ithaca, NY

- Implemented state of the art Machine Learning algorithms and evaluation metrics
- Working to expose commercial bias in popular music streaming platforms

PROJECTS

AI Music Maker

- Created 3 music generating agents of varying intelligence using different AI techniques that output MIDI information to be read into a sequencer
- Surveyed classmates to prove quality of music improved as intelligence developed

Restaurant POI Interface

- In a scrum team of 5, designed and implemented a functional back-end and GUI to practice test driven development and agile principles

Reversi Intelligent Agent

- Developed an intelligent agent equipped with minimax, transposition tables and alpha-beta pruning to compete in a game of Reversi

EDUCATION

Bachelor's in Computer Science

Ithaca College

📅 Sept 2017 – August 2021

- Minor in Psychology
- Cumulative GPA 3.6
- Cum Laude

TECHNICAL SKILLS

Test-Driven Development

Agile Principles   Scrum

Data Analysis   Version Control

LANGUAGES

Python   Java   C++   C#   SQL

HTML   Assembly

VOLUNTEERING

Phone Bank

Sunrise Movement Ithaca

- Cold called hundreds of locals to inform them of the Green Building Policy

Bike repair instructor

Recycle Ithaca's Bikes

- Assisted in the instruction and demonstration of bike repairs to local youth

LEADERSHIP

Outdoor Educator

Outward Bound

📅 March 2021 – May 2021

- Devised activities of the day, leading a group through new activities promoting safety, positive energy and pushing comfort zones
- Led groups of people through risky and unfamiliar situations like whitewater rafting, mountaineering and rock-climbing