

EDUCATION

Case Western Reserve University(CWRU)

*Bachelor of Science in Computer Science; GPA: 3.13*

Cleveland, OH

*Aug. 2015 – Expected 2019*

Relevant Courses:

Machine Learning

Artificial Intelligence

Introduction to Probability

Advanced Algorithms

Computer Networks

OS and Concurrent Programming

Introduction to Databases

Algorithms

Linear Algebra

EXPERIENCE

Ray Machine Learning Lab, CWRU

*Research Assistant*

Cleveland, OH

*Jul 2017 - Present*

Natural Language Generation:

Extended a Natural Language Generation system for use with different grammar formalizations

Distributional Semantics:

Analyzed Distributional Semantic systems (ie word2vec) for usability in Natural Language Generation

CWRU, EECS 340- Algorithms

*Teaching Assistant*

Cleveland, OH

*Aug 2017 - Present*

Recitation Leader:

Taught 15 person section and group sections of up to 50 people

Grader:

Grade and provide detailed feedback on quizzes and homework for a 100 person class

CWRU

*Facilities Services Assistant*

Cleveland, OH

*May 2017 - Aug 2017*

Teamwork:

Worked in a team of 8 people and interfaced with other teams to minimize conflicts over work space

Maintenance:

Ensured over 1000 rooms conformed to standards for student housing

Kirsch Brain-Machine Interface Lab, CWRU

*Research Assistant*

Cleveland, OH

*Aug 2015 - Jul 2017*

Brain-Machine Interface:

Part of Brain-Gate 2 trial, worked with participants with Quadriplegia

Data Visualization:

Developed novel methods for visualizing path efficiency for grasps in 2D and 3D spaces

Control System Design:

Implemented Goal-Based control structures for use in real time by participants using Matlab

PROJECTS

OpenMined

*Open Sourced, Encrypted, Decentralized, Artificial Intelligence platform*

Aug 2017 - Present

Language Translation:

Automated transporting model training functionality from the python to JavaScript using node

R4

*Cloud Storage Solution for storing data redundantly on multiple cloud storage providers*

Feb 2017 - Present

Server Development:

Built backend to route incoming r4 requests to s3, google cloud and azure buckets using Django

Functionality Parsing:

Implemented Json parsing to generate functions from boto3 technical descriptions

Walkmate

*Class Project for Introduction to Databases. System for pairing people walking to the same place*

Oct 2016 - Dec 2016

Database Development:

Designed object-relational database schema and created appropriate tables using postgresql

Web Design:

Created web interface for manipulating the database using python, pycopg2, flask and docker

PROGRAMMING SKILLS

Languages:

Python, JavaScript, Java, C, SQL, Matlab

Technologies:

AWS, Docker, Node, Angular, Django, Flask, Postgresql, NLTK, SciPy, Git, Linux

LEADERSHIP AND EXTRACURRICULARS

Case Western Reserve Chapter of Delta Chi:

Membership Development Chair, Former Judicial Board Member

Alpha Phi Omega, Theta Upsilon Chapter:

Webmaster, Former Sergeant at Arms

CWRU Fighting Gobies, Ultimate Frisbee Team:

Developmental Team Member