

EDUCATION

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| Case Western Reserve University(CWRU) <i>Bachelor of Science in Computer Science; GPA: 3.13</i> | Cleveland, OH <i>Aug. 2015 – Expected 2019</i> |
| Relevant Courses: | |
| Machine Learning Advanced Algorithms Introduction to Databases | Artificial Intelligence Computer Networks Algorithms |
| Introduction to Probability OS and Concurrent Programming Linear Algebra | |

EXPERIENCE

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| Ray Machine Learning Lab, CWRU <i>Research Assistant</i> | Cleveland, OH <i>Jul 2017 - Present</i> |
| Natural Language Generation: Extended a Natural Language Generation system for use with different grammar formalizations | |
| Distributional Semantics: Analyze Distributional Semantic systems (ie word2vec) for usability in Natural Language Generation | |
| CWRU, EECS 340- Algorithms <i>Teaching Assistant</i> | Cleveland, OH <i>Aug 2017 - Present</i> |
| Recitation Leader: Teach a 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 <i>Facilities Services Assistant</i> | Cleveland, OH <i>May 2017 - Aug 2017</i> |
| 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 <i>Research Assistant</i> | Cleveland, OH <i>Aug 2015 - Jul 2017</i> |
| 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

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| OpenMined <i>Open Sourced, Encrypted, Decentralized, Artificial Intelligence platform</i> | <i>Aug 2017 - Present</i> |
| Language Translation: Automated transporting model training functionality from the python to JavaScript using node | |
| Community Engagement: Match potential contributors with issues that best suit their skill sets | |
| R4 <i>Cloud Storage Solution for storing data redundantly on multiple cloud storage providers</i> | <i>Feb 2017 - Present</i> |
| Server Development: Built backend to route incoming requests to S3, Google Cloud and Azure buckets using Django | |
| Functionality Parsing: Implemented JSON parsing to generate functions from boto3 technical descriptions | |
| Walkmate <i>Class Project for Introduction to Databases. System for pairing people walking to the same place</i> | <i>Oct 2016 - Dec 2016</i> |
| 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

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| Languages: Python, JavaScript, TypeScript, Java, C, SQL, Matlab |
| Technologies: AWS, Docker, Node, Angular, Django, Flask, Postgresql, NLTK, SciPy, Git, Linux |

LEADERSHIP AND EXTRACURRICULARS

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| 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 |