

Jo Chuang

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Education

CORNELL UNIVERSITY, ITHACA

2016 – 2019

- Bachelor of Science in Computer Science, College of Engineering
- Completed Coursework: CS 2110 (OOP and Data Structures), CS 2800 (Discrete Structures), CS 3410 (Computer System Organization and Planning), CS 4820 (Algorithms), CS 4780 (Machine Learning)
- GPA: 4.1

Projects

DIGIT CLASSIFICATION CHALLENGE

MAY 2017

@ CS 4780 (Machine Learning) final project

- Experimented with different methods for classifying MNIST-like digit dataset, such as Dense Net, Logistic Regression, KNN
- Performed Median filtering, dataset expansion and KNN for final model, with training and testing accuracy of 99%
- Achieved 99% for hidden evaluation dataset

FAILUREDETECTIONDS

MAR 2017

@ Big Red Hacks Spring, Cornell - Second Prize

- Developed suite of methods for detecting anomalies in time series telemetric data
- Worked in team of 4 to learn and use Microsoft Azure Machine Learning tools such as the Time Series modules
- Won 2nd prize out of final 10 presenting teams

DOUBLE ARC NEURAL NETWORK DEMO

2014

- Built a simple, custom JS neural network class, designed with two layers with back propogation
- Designed user interface for generating and displaying a two dimensional, non-linearly separable dataset
- Used the dynamically generated sets to show the results of training the network as a demonstration for a high-school Honors Artificial Intelligence course

Experience

JUNIOR SOFTWARE ENGINEERING INSTRUCTOR

MAY – AUG 2017

@ Horizons School of Technology, San Francisco

- Designed and revised curriculum covering full MERN stack (MongoDB, Express, React/Redux, Node)
- Tutored cohort of undergraduates in one-on-one situations

KAGGLE PROJECT TEAM MEMBER

JANUARY – JUNE 2017

@ Cornell Data Science Club (CDS)

- March Madness Kaggle prediction: Built a logistic and tree regression model to predict matchups as part of a boosted ensemble
- Allen AI project, answering 8-th grade science multiple choice questions using NLP methods: member of Knowledge Base team, built package for interfacing with py-wikibot for query expansion
- Continuing as Marketing Head for 2017-2018

Skills

Python, Numpy, Pandas, Scikit, XGBoost, Tensorflow