Brandon Jin

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Education

Carnegie Mellon University / Class of 2019
B.S. in Statistics & Machine Learning | Minor in Neural Computation

Skills

Programming Languages:
Python, C, C++, Java, Javascript, JSON, SQL, Scala, R,Matlab, HTML, CSS, Swift, git, Tableau
Programming Skills:
Tensorflow, PyTorch, AWS Cloud, Node.js, AngularJS, Quantopian, Full-stack Development
Statistical & Machine Learning Skills:

Neural Network	Data Cleansing	Quantitative Trading
Deep Reinforcement Learning	Data Visualization	Big Data/Apache Spark
Natural Language Processing	Model Selection	Predictive Analysis
Unsupervised Learning	Dimension Reduction	Machine Learning on AWS

Project & Experience

Software Engineering Intern / Ellucian Inc. May 2018 - Present
Worked with two teams. Developed a data quality dashboard that provides a perspective in the readiness of internal data based on aggregated and anonymized information from other tenants. Developed and visualized applicant success & retention rate prediction.

Research Intern / Carnegie Mellon Field Robotics Lab January 2018 - May 2018
Data science team. Develop localization algorithm with Kalman Filter and graph optimization.

Recognizing Unsegmented Handwriting with RNN December 2017
Built a recurrent neural network using the CTC cost function. Trained with a padded MNIST dataset. Achieved good performance.

Transformation of Image Style with CycleGAN architecture November 2017
Developed a neural network model that applies the style of one certain image of a set of images. The model is able to handle both geometric transformation as well as texture transformation.

Research Intern / Infant Language & Learning Lab May 2017 - August 2017
Implemented eye-tracking technology and SMI BeGaze Eyetracking Analysis Software to collect, extract, and analyze gaze shifts, blinks, saccades, fixations, and pupil dilation to potentially diagnose ADHD. Clustered post-feature selection data using dimension reduction.

Question Generating And Answering System Mar 2017 - May 2017
Built an NLP program in Python that both generates and answers questions based on the content of a given web page using neural networks and various parsing algorithms.

Coursework

Introduction to Machine Learning (PhD) | Deep Learning (Masters) | Data Mining (Masters)
Deep Reinforcement Learning & Control (Masters) | Functional Programming | Economics II
Undergraduate Advanced Data Analysis | Statistical Sampling & Experiment Design

Work & Activity

Office Assistant / Carnegie Mellon University Housing Services
Responsibilities include customer services, internal communication, filing reports and troubleshooting.
Push Captain / CIA Buggy
In charge of Hill 5 pushers of CIA Buggy team, a sport only exists at Carnegie Mellon University.