Lawrence Liu

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Education

University of Maryland College Park, MD   Expected Graduation in 2019
Computer Science, College of Computer, Math, and Natural Sciences
Relevant coursework: Algorithms, Discrete Structures, Computer Systems, Statistics

Experience

Fidelity Investments   Westlake, TX
Technical Intern   May 2017 - August 2017
- Developed full featured internal web application to create new and manage existing software defects
- Worked with Python for website backend, React JS and Node.js for front end

TP-LINK Research America   San Jose, CA
Software Development Intern   May 2015 - August 2015
- Developed system in Python to find and categorize reviews on specific products from online retailers
- Worked on analysis of review trends on products

Projects

theano-rnn
- LSTM and GRU implementation in Python with Theano, supports multiple layers and dropout
- Capable of learning character level models from input texts and predicting the next character in a sequence
- Can generate text character by character that resembles input data

nnet
- Basic neural network implementation in Python with NumPy
- Supports multi label classification, multiple hidden layers, L1 and L2 regularization, and dropout
- Capable of learning to recognize handwritten numerical digits from MNIST handwritten digits database

rcgroups-monitor
- Google Chrome extension to monitor the RCGroups multirotors classifieds page for new listings and create desktop alerts

Skills

Languages: Experienced with **Python**, **Java**, **Javascript** and **C**, limited knowledge of **OCaml**
Software and Libraries: **Unix/Linux** development toolchain, **NumPy**, **Theano**, **React JS**, **Git**