Lawrence Liu

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Education
University of Maryland College Park, MD   Expected Graduation in 2019
Bachelor of Science, Computer Science

Experience
Amazon   Seattle, WA
Software Development Engineer (SDE) Intern   May 2018 - August 2018
- AWS Payments & Fraud, Payments Processing team
- Developed internal tool for management of invoice, transaction, and AWS account details, supported 900+ customer service agents worldwide and launch of product in EMEA region
- Developed service trace system to track payment transactions as they are processed through different payment creation and processing services
- Developed service activity interceptor to easily integrate trace system into existing services

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

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
- 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

Skills
- Languages: Python, Java, Javascript, C, OCaml
- Technologies: AWS, Unix/Linux development toolchain, React JS, Git
- Experienced working with the AWS ecosystem (in particular with Lambda, DynamoDB, API Gateway, CloudFormation, IAM)