Nolan Dey

Aspiring ML Researcher

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SKILLS

Languages: Python, Javascript, Go, Swift, Objective-C, Ruby, Scala, Java, C++, MATLAB, and SQL
Technologies: SKLearn, Turi-Create, NumPy, Pandas, Kafka, Ember, React, Rails, D3, AWS (EC2, S3, Redshift), Node, Docker, Terraform, Ansible, PostgreSQL, GraphQL, MongoDB, Linux, and Git

EXPERIENCE

Apple | Software Engineer   Sept. 2017 - Dec. 2017
- Deployed image classifier in a MacOS app that automated a costly manual labelling process
- Leveraged SKLearn, MATLAB, NumPy, Pandas, Turi Create, and CoreML in image classifier
- Created a scheduling application with Ember, Rails, and D3 which improved internal workflows

Capital One | Data Scientist   Jan. 2017 - Apr. 2017
- Deployed distributed event data pipeline that processed 480 MB/s and saved $200k annually
- Leveraged Docker, Terraform, Ansible, AWS, Kafka, Snowplow, Scala, and Python in pipeline
- Performed error analysis on a model, identified a bug, and reduced prediction error by 21.4%

Parabol | Full-Stack Developer (Part-time)   Sept. 2016 - Dec. 2016
- Remotely contributed to open-source web-app using Node, React, Redux, RethinkDB, GraphQL
- Implemented several features that improved the user experience and added key functionality

Connected Lab | Software Engineer   May 2016 - Aug. 2016
- Wrote microservices using Node, React, MongoDB, CloudFoundry and pair programming
- Created analytics dashboard using Chart.js and an API to provide business intelligence metrics
- Worked on iOS app enabling users to stream music to multiple speakers via wifi or bluetooth

Kik Interactive | iOS Developer   Sept. 2015 - Dec. 2015
- Wrote major social sharing feature in Objective-C over a four month development cycle
- Developed performant Tinder-like swiping screen using UICollectionView and CoreAnimation
- Pioneered network protocol using Google Protobuf which decreased data usage and latency

Kik Interactive | Release & Quality Assurance Engineer   Sept. 2015 - Dec. 2015
- Implemented feature to translate messages in iOS app using Watson Language Translation
- Planned and facilitated user experience tests with external users to collect usability data

EDUCATION

Systems Design Engineering (BASc) | University of Waterloo   2014 - 2019
    Courses: Applied Artificial Intelligence, Statistics, Algorithms, and Human Factors in Design
Engineering Exchange | Lund University   2018
Deep Learning Specialization | deeplearning.ai (Coursera)   2017
    4 Courses: Neural Networks and Deep Learning, Improving Deep Neural Networks,
    Structuring Machine Learning Projects, Convolutional Neural Networks
Machine Learning | Stanford University (Coursera)   2017