Nolan Dey

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SKILLS

Languages: Javascript, Python, Objective-C, Scala, Go, Swift, Java, C++, MATLAB, SQL, HTML, CSS
Technologies: AWS (EC2, S3, Redshift), Node, Docker, Kafka, Terraform, Ansible, Express, React, Redux, Pandas, RethinkDB, GraphQL, MongoDB, Snowplow, Google Protobuf, and Arduino

EXPERIENCE

Capital One
Data Scientist Intern   **Jan 2017 - Apr 2017**
- Led development of event data pipeline which handled 480 MB/s and enabled $200k+ savings
- Leveraged Docker, Terraform, Ansible, AWS, Kafka, Snowplow, Scala, and Python in pipeline
- Modified statistical model to predict recurring transactions and reduced error by 21.4%

Parabol
Full-Stack Developer Intern (Part-time)   **Jan 2017 - Apr 2017**
- 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 Engineering Intern   **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 Intern   **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 Engineering Intern   **Jan 2015 - Apr 2015**
- Implemented feature to translate messages in iOS app using Watson Language Translation
- Wrote test suites, rigorously tested new features, and worked with developers to find issues
- Planned and facilitated user experience tests with external users to collect usability data

PROJECTS

Uber Usage Map   **May 2017**
- Generated a heat map of Uber usage in New York using the Google Maps API for the front-end and pandas for the data wrangling (Citadel Datathon)

Bitnomics   **Sept 2016**
- Displayed real-time bitcoin transactions by producing live transactions to a Kafka topic, consuming them into a PostgreSQL database, and displaying them in a Node/React app

EDUCATION

Systems Design Engineering - University of Waterloo   2014 - 2019
- **Courses:** Statistics, Algorithms, Circuits, Digital Systems, Signals, and Human Factors in Design
Machine Learning - Stanford University (Coursera)   2017