

Nolan Dey

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SKILLS

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

EXPERIENCE

Capital One

Data Scientist Intern

Jan 2017 - Apr 2017

- Built real-time data pipeline for mobile/web events able to handle 4800 requests/s (480 MB/s)
- Leveraged Docker, Terraform, Ansible, AWS, Kafka, Snowplow, Scala, and Python in pipeline
- Reduced mean absolute error of model to predict recurring transactions by 21.4%

Parabol

Full-Stack Developer Intern (Part-time)

Jan 2017 - Apr 2017

- Remotely contributed to productivity 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

- Iterated upon microservices using Node, React, and MongoDB using pair programming
- Implemented analytics API to return aggregations, breakdowns, and trends about objects
- Worked on iOS app enabling users to play music to speakers via wifi or bluetooth

Kik Interactive

iOS Developer Intern

Sept 2015 - Dec 2015

- Developed a performant card stack swiping view using UICollectionView and CoreAnimation
- Implemented new network protocol using Google Protobuf with threading and error-handling
- Modified conversations list NSFetchedResultsController to support heterogeneous cells

Kik Interactive

Release & Quality Assurance Engineer

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 Heat 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 all the data wrangling

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