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Jordan Jack Schneider

Education

2019 - Present **Doctorate of Philosophy**, *University of Texas at Austin*, Austin, TX.
Computer Science

2015 - 2019 **Bachelors of Science**, *University of Maryland*, College Park, Maryland, *3.9/4.0 GPA*.
Mathematics and Computer Science Double Degree
Computer Science Departmental Honors

Experience

May 2018 - August 2018 **Software Engineering Intern**, *Microsoft*, Advanta Campus.

- Developed a geofence trigger for Microsoft Flow across the full stack.
- Integrated the solution in five codebases on a short time scale.
- Coordinates the work across three teams in two product areas.
- Followed through with the project after key-member movement away from our team.

May 2017 - August 2017 **Software Engineering Intern**, *Google Inc*, Cambridge, MA.

- Created a TensorFlow machine learning model to predict flight delays on flights.google.com.
  - Cleaned and engineered large scale dataset for training using Dremel.
  - Optimized ML hyperparameters with Vizier.
  - Trained and evaluated Deep Neural Network Classifier in Tensorflow to predict delays.
  - Leveraged TFX framework to distribute, replicate, and productionize training.
  - Improved recall and precision in new model.

December 2016 - May 2017 **Research Intern**, *University of Maryland*, College Park, MD.

- Process 80GB in mRNA transcript data to create predictive model of Alternative Splicing in humans.

September - November 2016 **Software Engineering Intern**, *FedCentric LLC*, College Park, MD.

- Implement and analyze graph database processing algorithms inside the Apache Spark framework.

May - August 2016 **Software Engineering Intern**, *Google Inc*, Mountain View, MA.

- Designed new grammars for internationalization of Google Offline Actions.
  - Completed previously unmaintained language pack for German and Italian.
  - Started and documented language pack for Portuguese.
- Updated Thrax grammars to reduce file size by ~7x.
  - Refactored grammars in Spanish and French, rewrote grammars in German and Italian.
  - Created style guide and gave presentation on methods to reduce grammar size.
- Developed tool to compare OpenFST grammars.
  - Used Google parralelization libraries on exponentially growing dataset resulting in ~1 billion entries.
  - Productionized tool by configuring for cluster management system.
  - Created design and usage document for project.