

Grace Glenn

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EDUCATION

- **Clemson University**

Clemson, SC

B.S. Computer Science - GPA: 3.90

August 2014 - May 2018

- **Honors College National Scholars Program:** full merit scholarship received by roughly 15 applicants per year
- **Honors College Global Policy Scholars:** travel enrichment program to Strasbourg, France and Berlin, Germany focused on studying public policy.
- **Recognition / Awards:** Departmental Honors, General Honors, Outstanding Junior Award

EXPERIENCE

- **Squarespace**

Manhattan, NY

Software Engineer, Machine Learning team

August 2018 - Present

- **Dataprof for Machine Learning ETLs:** Developed framework and processes to use Google's managed Spark resource, Dataprof, for performant processing of medium-sized datasets (160 GB)
- **Kafka:** Integrated Kafka message publishing into model training to record statistics and events.
- **Luigi / GCS :** Extended team's Luigi framework to read/write from cloud-hosted (GCS) datasets.
- **Machine Learning feature modules:** Implemented various library modules to apply AWS Facial "Rekognition" detection, language translation, and semantic vectorization on image and text inputs.

- **Clemson School of Computing**

Clemson, SC

Research and Teaching Assistant

January 2017 - May 2018

- **Research Assistant - Machine Learning:** Research through machine learning and data science techniques to develop filters for more relevant social media content on political events, including training specialized fastText Vectors and PLDA analysis.
- **Teaching Assistant - Introduction to C Programming:** Teaching Assistant to two lab sections per semester. Responsible for constructing lectures on lab material, writing scripts to grade labs, and helping students during office hours.

- **Squarespace**

Manhattan, NY

Machine Learning Intern

June 2017 - August 2017

- **Domain Search Personalization:** Developed model to recommend personalized top level domains (TLDs) for a given search. Model made more relevant recommendations 3,500% more often than the company's former personalization service. Still in use.
- **Domain Name Generation:** Developed model to generate plausible domain name variations for a given domain name search during hackweek.

RESEARCH PROJECTS

- **Senior Thesis on Query Expansion:** Research with Clemson School of Computing to construct and analyze content topics from Twitter, in order to filter more relevant documents (tweets) for political events.
- **Collective Action Modeling (UMass-Amherst R.E.U. 2016):** Modeled group problem-solving to simulate problem-solving strategies through decision trees and kernel density estimators, based on real human game-play datasets from University of Pennsylvania.
- **Website Page Recommendation:** Prototyped page-recommendation model with custom embedding layer to rank candidate website pages (menu, contact, about, etc) for a given text input (e.g., "cafe website").

PROGRAMMING SKILLS

- **Languages:** Python, R, C/C++, Java
- **Technologies:** Kubernetes, Docker, AWS (S3, DynamoDB), Kafka, GCP (GCE, GCS, Dataprof)