SEAN PILI

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EDUCATION

M.S. Data Science, Anticipated May 2020
George Washington University, Washington, District of Columbia
Cumulative G.P.A 3.9
Related Coursework: Machine Learning I Cloud Computing Natural Language Processing

B.S. Statistics, Awarded December 2017
Minors: Actuarial Science and Communication
Virginia Tech, Blacksburg, VA
In Major G.P.A: 3.5 Overall G.P.A: 3.2

HONORS/ AWARDS:

1st Place, Fall Data Competition at Virginia Tech, *Blacksburg, VA* Oct 30th-Nov 6th 2017

- Competed against 15 teams of 2-3 undergraduates
- Aggregated health data from 30 files to build predictive models that accurately predicted patients' cholesterol levels without blood-work information (for private, inexpensive screening purposes)
- Used Elastic Net regression to deal with multicollinearity between the features of the final models.

Mu Sigma Rho Honor Society, Member, September 2017-Present

RELATED EXPERIENCE

Reporting Analyst Intern, *Merchant Link, Silver Spring, MD,* Jun 2018-Jan 2019

- Leveraged a summer internship into a part time position
- As an intern: generated and improved the quality of periodic KPI reports in Excel, updated pricing models, conducted market research to identify new business partners and performed a customer segmentation analysis to help the company better understand and service their customers.
- Part time: Performed more in-depth customer segmentation analysis.

Undergraduate Research, *Statistics Department, Virginia Tech*, Aug-Dec 2017

- Worked to develop hypothesis test to determine if a network contains core-periphery structure

Undergraduate Research, *Virginia Tech Biocomplexity Institute, Arlington, VA,* May-Aug 2017

- Participated in their Data Science for the Public Good program and worked on three social science focused research projects, one of which entailed finding the best method(s) to create a synthetic dataset for sensitive, public policy data.
- Used R to web-scrape, query, clean, aggregate, visualize and analyze data for all projects.
- Used supervised and unsupervised Machine Learning Methods (in addition to frequency tables and summary statistics) to evaluate the usability of synthetic datasets.

Product Classification Intern: *USPS, District of Columbia*, May-Aug-2016

- Updated their 2013-14 First-Class Mail (FCM) Product Plan for FY 2017
- Conducted and presented a feasibility analysis on the introduction of a Standard Mail Card Product
- Partly responsible for the re-branding of Standard Mail as Marketing Mail

COMPUTER SKILLS Python, Apache Spark, R, SQL, Pig, Studio3T, AWS Management Console, CQL, Github, Base SAS, Tableau, Minitab, JMP, and Microsoft Office