

Julianne K. Zech

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EDUCATION

Georgetown University

Washington, D.C.

Bachelor of Arts in Computer Science & Mathematics

May 2020

- **GPA:** 3.86 / 4.00
- **Current Courses:** Advanced Programming, Applied Statistics, Data Structures, Time Series Analysis; auditing PHD-level Statistical Machine Learning Seminar
- **Additional Courses:** C++ Programming Level 1 & 2, Financial Accounting, Micro & Macroeconomics

WORK & LEADERSHIP EXPERIENCE

Greenwich Associates

Stamford, CT

Data Analyst Intern

Summer 2018

- Worked with Investment Management team for leading global provider of proprietary market research and advisory services to the financial services industry
- Developed statistical visualizations and built data processing pipelines for buy-side web survey responses from 3,000+ pension funds, foundations, and other institutional investors in 70 countries
- Prepared analyses for clients including BlackRock, J.P. Morgan, and Vanguard that displayed their comparative investment performance across 60+ asset classes and presented results from institutional investor surveys with targeted recommendations for improvement

The Hilltop Microfinance Initiative

Washington, D.C.

Director of Digital Operations

January 2017 – Present

- Lead 3-person digital team for student-run 501(c)(3) non-profit microfinance organization with \$76,700 in assets and \$45,000+ in historical loans to low-income entrepreneurs in D.C., Maryland, and Virginia
- Developed new website with integrated payment processing and news stream on WordPress platform
- Analyze website traffic and present recommendations for targeted advertisements to marketing team

Computer Science Student Advisory Committee

Washington, D.C.

Undergraduate Representative

September 2018 – Present

- Recommend improvements to academic curriculum and student resources to the Director of the Computer Science department; 1 of 3 undergraduate computer science majors selected by faculty to the committee

SELECTED PROJECTS

Online Feature Selection: Research with Faculty Advisor

September 2018 – Present

- Developing online machine learning algorithm based on weighted majority to scale efficiently for large inputs with Professor Mark Maloof
- Algorithm utilizes ensemble method to make local predictions on training data as it is received, adjusts weights based on accuracy of global prediction, and retains most relevant features as predictor variables

Data Analysis Capstone: Applied Statistics Class

August 2018 – Present

- Building an R pipeline to process Kaggle data set using a variety of classical statistical techniques
- Deliverable will include a discussion of model assumptions and an evaluation of interaction effects and multicollinearity between predictor variables

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Proficient in C++; Experience with Java and R

Activities: GU Women Coders (participate in coding studios), Georgetown FinTech (attend speaker events with industry experts), GU Eating Society Director of Outreach (forge partnerships with D.C. restaurants)

Interests: Cooking Syrian food, Golfing, Hiking in the Amazon