Primary Address — **Yash Joshi** — Current Address

42618 Beckett Terrace — yashsjoshi@vt.edu — 3800 Richmond Ln Apt C

Ashburn, VA 20148 — (408) 242-0383 — Blacksburg, VA 24060

EDUCATION

Virginia Polytechnic Institute and State University — **Blacksburg, VA**

Recent GPA (Fall 2019-Spring 2020): 3.7/4.00 (Cumulative: 3.18)

Dean's List: Spring, Fall 2020 — *Expected Graduation: May 2022*

B.S: Computational Modeling & Data Analytics (CMDA)

Minor(s): Computer Science, Mathematics

- Relevant Coursework: Machine Learning, Data Structures, Statistical Methods II, Linear Algebra
- Scholarships: Luther and Alice Hamlett Undergraduate Research Scholarship (2020)

BASIS (Bond and Securities Investing by Students) — **Blacksburg, VA**

- Student-run team managing a $5mm fixed income portfolio within Virginia Tech Foundation's endowment using Bloomberg and other tools for research, security selection, trading, analytics, and administration

Junior Analyst – I/U Specialties Sector, Summer Investment Committee — *November 2019 – Present*

- Contribute quantative and qualitative analysis of trends on existing and potential investments
- Enhance key financial analysis, Bloomberg, portfolio development, and portfolio monitoring skills

PROFFESIONAL EXPERIENCE

DataBridge, University Libraries, Virginia Tech — **Blacksburg, VA**

Student Data Science Consultant — *March 2020 – Present*

- Create PostgreSQL database with BreedBase docker image for small grains breeding data
- Assist in writing Python scripts to automate loading, modifying, and exporting data to database

Zooniverse — **Remote**

Data Science/NLP Intern (American Soldiers in WWII Research Project - CO-PI: Dr. Embree) — *May – August 2020*

- Implement novel algorithm by Google's BERT and interpolative matrix decompositions to improve comprehension of 200,000+ individual soldier responses on various questions
- Use Spectral Clustering algorithms to extract clusters responses based on concepts such as 'race', 'food' by visualizing spectral gaps of eigenvalues of Laplacian matrix

Fidelity Investments — **Durham, NC**

Data Engineering Intern (Fidelity Brokerage Technology) — *May – August 2019*

- Assisted team with xtrac server migration testing of over 70 mySQL jobs with Wealthscape client investing data
- Performed SIT/UAT testing of Oracle upgrade 12c of servers regarding client portfolio strategies
- Implemented Agile methodology in a dynamic team environment to maintain productivity

PROJECTS & RESEARCH

1918 Influenza Epidemic Collaborative Research — **Bethesda, MD**

Data Visualizations Lead, Research Team — *January – May 2020*

- Developed, with team, research reports to investigate a comprehensive death toll of the Spanish Flu
- Participated at National Library of Medicine Symposium to showcase research, visualizations, etc

Rotten Tomatoes Data Analysis — **Blacksburg, VA**

Final Data Visualization Project — *November 2019 – December 2019*

- Web scraped Top Movies of 2018/19 via Rotten Tomato. Analyzed differences between audience/critic reviews, trends in publication/movie ratings, presented conclusions
- Presented sentiment analysis of reviews, correlation between K-Means movie clusters and reviews

Goldman Sachs Virtual Insights Exploratory Program

Selected participant — *June 2019 – August 2019*

- Network with GS professionals to learn about specific divisions

SKILLS & CERTIFICATIONS

Technical: Java (Advanced), Python (Advanced), SQL (Advanced), C (Intermediate), CUDA[OpenMP MPI], BERT

Certifications: AWS Cloud Practitioner (In Progress)