

TYLER BURLEYSON

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EDUCATION

CARNEGIE MELLON UNIVERSITY, TEPPER SCHOOL OF BUSINESS

Pittsburgh, PA

Master of Science in Computational Finance - MSCF

12/27

Upcoming coursework will include Financial Data Science, Machine Learning, Algorithmic Trading, & Investments

CASE WESTERN RESERVE UNIVERSITY

Cleveland, OH

Bachelor of Science in Applied Mathematics 3.75/4.0 GPA

05/22

Graduated Cum Laude with minors in Computer Science and Banking & Finance

SKILLS & CERTIFICATIONS

Technical Skills: Fixed Income Market & Pricing Analysis | Project Finance | Mathematical Modeling

Programming & Software: Python | R | Matlab | Mathematica | Excel | S&P Capital IQ | Bloomberg Terminal

FINRA Certifications: Securities Industry Essentials (SIE) | Series 52 (Municipal Securities) | Series 63 (Uniform Securities Agent)

Soft Skills: Business Development | Transaction Leadership | Mentorship

EXPERIENCE

KEYBANC CAPITAL MARKETS

Cleveland, OH

Public Finance Associate

02/25 - 06/26

- **Fixed Income Expertise:** Over \$1.2 billion in total debt financing experience representing over \$11 million in fee revenue
- **Transaction Leadership:** Headed day-to-day communications with key client on over \$200 million in financing (over \$1.5 million in fee revenue) across five bond issuances in one year
- **Quantitative Leadership:** Developed modeling approach for speculative cash flow bond structures, instrumental for entering Colorado Metro District bond underwriting market (won co-manager role on over \$200 million in future issuance)
- **Business Development:** Collaborated with partners across real estate platform to pitch collective services to real estate clients at International Council of Shopping Centers (ICSC) conference, furthering relationships with three key clients
- **Mentorship:** Mentored 3 analysts across Public Finance team on bond modeling and pitch material preparation, both in-person and virtually

Public Finance Analyst

08/22 - 02/25

- **Model Development:** Designed three of team's Excel-based financial modeling templates for project finance bond issuances, including traditional fixed amortization and convertible capital appreciation bond structures
- **Presentation Skills:** Entrusted with primary responsibility for explaining bond structures and market mechanics to clients, both in pitch settings and on day of bond pricing
- **Market Analysis:** Conducted qualitative research into competitor bond structures, leading to entry into two new markets
- **Organization:** Coordinated an in-person summit for over 30 investors, including mutual funds and insurance companies

Public Finance Intern

06/21 - 08/21

- **Teamwork:** Collaborated remotely on dozens of tax-exempt municipal debt pitchbooks and other marketing materials
- **Data Analysis:** Developed data visualization for team database of historical comparable deal pricing statistical analysis

RESEARCH

NATIONAL SCIENCE FOUNDATION REU GRANT, COMPUTATIONAL BIOLOGY

06/20 - 08/20

- **Funding Source:** Awarded research funding from NSF for computational biology project in Mathematics department
- **Analytic Solution:** Analyzed Transport Equation model of symmetric mitosis, including extension to stochastic asymmetries and their effects on population age structures
- **Numerical Approximation:** Constructed numerical simulation of the model problem using Lax-Wendroff method in Matlab

RESEARCH ASSISTANT, SOLAR DURABILITY AND LIFETIME EXTENSION CENTER

01/19 - 06/20

- **Funding Source:** Awarded research funding from Case Western for solar panel laboratory in Materials Science department
- **Software Development:** Published two R packages alongside graduate researchers implementing an automated time series analysis pipeline and a statistical model for analysis of solar panel degradation data, enabling more efficient collaboration
- **Published Researcher:** Co-authored research paper on statistical modeling methods for comparing indoor and outdoor measurements of photovoltaic cell power loss

ADDITIONAL INFORMATION

Interests: Ashtanga Yoga | Menswear | League of Legends eSports | Classical Music | Financial Times Alphaville Blog