

Nathan Boone

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Education

Temple University

Doctor of Philosophy in Statistics

Philadelphia, PA

In Progress

Ohio State University

Master of Applied Statistics

Columbus, OH

2024

Capital University

Bachelor of Arts in Computer Science

Columbus, OH

2020

Minors in Mathematics, Data Science, Finance, Business Management

Research Interests

Spatiotemporal Analysis, Spatial Statistics, Time Series Analysis, Computational Statistics, Data Visualization

Professional Experience

State Teachers Retirement System of Ohio

Business Intelligence Analyst 2

Columbus, OH

Feb 2024 – Jul 2025

- Designed a report to dynamically calculate 30 years of real estate investment returns and integrated “what-if” analysis
- Assisted in the transition from an old accounting system (SS&C Maximis) to a new system (Simcorp Dimension):
 - Supported the construction of a new data warehouse that balanced the needs of established reporting and maintained flexibility for future reporting
 - Integrated these changes into the new daily batch process
 - Reproduced reports in order for business users to understand and rectify system inconsistencies
- Supported colleagues in resolving general data related production issues

Programmer/Analyst

Aug 2020 – Feb 2024

- Developed a custom Microsoft Excel add-in for fixed income staff
 - Optimizes the impact to portfolio bond duration when raising a fixed amount of cash
 - Integrates the MATLAB implementation of U.S. Treasury Bond yield curve models within a spreadsheet used to model corporate bond yield curves
- Designed and implemented a set of reports to highlight instances where equity manager buying, selling, and sizing decisions could yield higher investment performance
- Built a Power BI app for equity staff displaying information on current macroeconomic factors, compliance metrics, and other quantitative research
- Managed R Shiny apps that visualize investment performance data and automate tedious reporting tasks

Investment Services Intern

May 2018 – Aug 2020

- Created a group of reports used by investment managers to determine if certain compliance metrics are maintained on a fund, portfolio, and individual investment level
- Built a process that calculates investment performance bonus values and automates the memo generation procedure
- Developed a corporate action notification system that alerts investment staff of index constituent adjustments

Skills

Languages

- Proficient in R, SQL, Python
- Experience in MATLAB, C++

Technical Writing/Reporting

- Proficient in Microsoft SQL Server suite, Microsoft Power BI, Microsoft Excel
- Experience in R Shiny Applications, \LaTeX , Tableau, Crystal Reports

Databases

- Compustat
- Federal Reserve Economic Data (FRED)