

Parker J. Dixon

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EDUCATION & SKILLS

Vanderbilt University, Nashville, TN

Fall 2012 – May 2016

Bachelor of Arts in Mathematics, Minor in Financial Economics

• **GPA:** 3.3 • Dean's List

• **Relevant Coursework:** Probability, Mathematical Statistics, Financial Mathematics, Financial Stochastic Processes, Program Design for Scientific Computing, Corporate Finance, Investment Analysis, Financial Management

Chatham High School, Chatham, NJ

Fall 2008 – Spring 2012

• **SAT:** 2330; National Merit Scholar Finalist, AP Scholar with Distinction, Varsity Tennis Team Captain

Skills

- Experienced in Excel, VBA, Python, R, Tableau, Neo4j (Cypher), MATLAB
- Strong with statistics, problem solving, data analysis, and data management

WORK EXPERIENCE

Metis, New York, NY

April 2018 – Present

Data Science Student

- Completing a 12-week data science bootcamp focusing on the fundamentals of data science, including programming in Python, machine learning methods, and data visualization
- Completed analysis of MTA turnstile data to create a hypothetical canvassing plan for a non-profit, utilizing the Pandas package to manage data and Matplotlib to visualize
- Currently developing a linear regression model that leverages college basketball performance to predict NBA performance using BeautifulSoup to scrape the web and sci-kit learn to create the model

KPMG LLP, New York, NY

July 2016 – March 2018

Financial Risk Management Associate

- Assisted a large bank in building a system to enhance firmwide capital stress testing (CCAR/DFAST) data aggregation methods by writing aggregation logic, developing canned reports in Excel with VBA-enhanced capabilities, and validating system output compared to expected results and FRB edit checks
- Developed tool in VBA to analyze identified issues and data deficiencies at a large bank and generate reports based on searches for user-specified keywords
- Developed data lineage documentation at multiple large banks for regulatory reports, focusing in particular on market risk stakeholders; facilitated documentation process by analyzing model code and reviewing model documentation
- Provided weekly internal status reporting metrics to KPMG leadership using VBA to analyze data output of firmwide opportunities and revenue streams

Prudential Financial, Woodbridge, NJ

June – August 2014, June – August 2015

Actuarial Leadership Development Program Intern

- Analyzed monthly data for approximately 10,000 pension contracts in order to identify long term trends and performance relative to expectation in the contracts; automated this monthly process in VBA
- Assessed individual annuity and pension contracts to identify source of earnings and flag potential data collection errors
- Validated annuity product models in VBA by recreating outputs with in-cell Excel formulas and editing code as needed

Teaching Assistant Vanderbilt University, Nashville, TN

Probability and Statistical Inference

Survey of Calculus

Spring 2015

August 2015 – May 2016

- Taught and graded multiple weekly classes with 10-20 undergraduate math students
- Provided individual aid and guidance to students through office hours

LEADERSHIP EXPERIENCE

Club Squash, Vanderbilt University

August 2012-May 2016

Team Captain

February 2015-May 2016

- Managed team budget and scheduled matches with other universities; finished season as captain with highest team ranking in 5 years