

Devin Maiello

Data Analyst/Engineer

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Education

The College of New Jersey, Ewing, NJ (2011-2015)

- 3.6 / 4.0 GPA (Cum Laude)
- Bachelor of Science in Electrical Engineering degree
- Passed Electrical FE Exam (Certified Engineer in Training)
- 321 GRE Score (166 Quantitative)

Undergrad Courses:

- Multivariate Calculus
- Statistics
- Computer Arch and Organization
- Embedded Systems

Independent Coursework:

- Coursera: Algorithms, Part 1 (Princeton U)
 - Coursera: Applied Data Science in Python (U of Michigan)
 - Coursera: Python for Everybody (U of Michigan)
 - DataQuest.io, Kaggle, HackerRank
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Professional Experience

UPS, Paramus, NJ: *Software Developer*, June 2016 to Present

- Develop and maintain multiple applications and databases that make our collectors' lives easier by automating tasks
- Use Java and SQL Server to manage over 30 million international UPS accounts and invoices
- Solve problems throughout our ETL pipeline while writing clean and reusable code to handle multiple data sources
- Create and modify stored procedures that seamlessly connect front and back-end processes

Lockheed Martin, Owego, NY: *Systems Engineer - Data Analytics*, July 2015 to June 2016

- Worked on the Reliability and Maintainability Team for the Joint Strike Fighter Program (F-35 Jet)
 - Collected and analyzed data on thousands of hardware failures that occurred domestically and internationally
 - Automated analytics process with Excel pivot tables and macros to find actionable insights and trends in the data
 - Created presentations for technical and non-technical audiences to inform stakeholders of the systems' performance
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Projects and Research

Lending Club Portfolio Analysis, [Link to Github](#): *Personal Project*, 2016

- Used Python statistical libraries (Pandas, NumPy, etc.) to analyze the risk of a portfolio of 100 P2P loans
- Created Jupyter Notebook of visualizations and in-depth analyses that can be re-used to analyze any loan portfolio
- Focused on features of the borrowers' credit history to determine if the portfolio would be a worthwhile investment

Fantasy Sports Lineup Optimizer, [Link to Github](#): *Personal Project*, 2016-Present

- Created a Flask app that takes athlete projections (from known experts) as input and outputs the best DFS lineup
- Used python to write a knapsack algorithm that determines the optimal team within the budget constraint
- Currently designed just for NBA but plan to expand and include more useful features for DFS players

TiVo for Radio Device, The College of New Jersey: *Senior Project*, 2014-2015

- Worked with team to develop a device that records the FM band and time-delays the signal for playback
 - Handled the hardware portion working with RF filtering, ADC/DAC components, and overall PCB design
 - Successfully built a circuit board that filtered noise outside of the FM band and passed the data to a SSD
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Activities and Awards

The College of New Jersey:

- Executive Board member of IEEE student chapter
 - Tau Beta Pi Engineering Honor Society
 - Brother of Sigma Alpha Epsilon Fraternity (ΣAE): *Webmaster* and *Recruitment Chairman*
 - Club Sport Athlete, Baseball
 - TCNJ Merit Scholarship Award
 - Capital Steel Scholarship Award
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Technical Skills

Programming Languages: Python (Pandas, NumPy, Scikit-learn, etc.), Java, SQL, MATLAB, Javascript (D3)

Tools: IPython (Jupyter), Eclipse, Visual Studio, SQL Server, PostgreSQL, Git, Excel, IBM Datastage