

Devin Maiello

Data Analyst/Engineer

cell: (201) 270-7151 email: maielldevin@gmail.com portfolio: maielld1.github.io/DevinM

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
-

Professional Experience

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

- Work with the application development team to design and maintain the web app used by the Collections Dept.
- Use Java and SQL Server to manage over 30 million accounts and invoices in our database
- Resolve issues throughout our data pipeline while writing clean and reusable code to handle multiple data sources
- Create and modify stored procedures that continually make our collector's lives easier by automating daily tasks

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
-

Projects and Research

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

- Created an 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 MLB and NFL 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

GET-UP REU, Rutgers University: *Research Assistant*, Summer 2014

- Participant in the Green Energy Technology Undergraduate Program (GET-UP)
 - Performed research on glass hermetic seals for their application in liquid metal batteries under Dr. Ashutosh Goel
 - Worked with a Master's thesis student to gather data from experiments and compile findings for a research paper
-

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
- Club Sport Athlete, Baseball
- TCNJ Merit Scholarship Award
- Capital Steel Scholarship Award

(ΣAE): *Webmaster* and *Recruitment Chairman*

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