Michael DeDreu

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Education

- **Rutgers University** — New Brunswick, NJ
  Computer Science Major — *Jan. 2019 – Present*
  - **Expected Graduation Date:** May 2021
  - **Relevant Courses:** Intro to Databases (SQL, Java), Intro to Data Science (Python), Software Methodology (Java), Internet Technology (Java), Principles of Programming Languages (OCaml, Scheme), Data Structures (Java), Computer Architecture (C), Linear Algebra
- **New Jersey Institute of Technology** — Newark, NJ
  Computer Science Major — *Jan. 2018 – Dec. 2018*
  - **Relevant Courses:** Calculus I - III, Statistics, Intro to Computer Science (Python)

Experience

- **Lowe's** — Hanover, NJ
  Sales Associate — *June 2020 - Present*
  - Assist customers with finding merchandise
  - Stock and organize merchandise areas on the sales floor
- **Nourish.NJ** — Morristown, NJ
  Server — *Dec. 2019 - Present*
  - Volunteer server at local soup kitchen serving breakfast for people in need
- **Harmon Face Values** — Morris Plains, NJ
  Sales Associate — *Feb. 2016 – May 2017*
  - Engaged customers in a courteous manner and stocked items on the sales floor

Projects

- **HTTP Server:** Developed a multi-threaded HTTP server in Java that accepts GET, POST, and HEAD requests from clients and responds with a well-formed HTTP response. The server is also capable of running CGI scripts with optional parameters from post requests
- **Photo Album Android App:** Created a photo album app in Android Studio using Java allowing users to make photo albums from photos on their device. The app has various features displaying photos, slideshow, add tags, search for photos by tag type, and stores data via serialization.
- **Music Player:** Developed a music player application using Java and JavaFX that allows users to upload local mp3 files, load metadata about the song, create playlists, and play back songs.
- **Twitter Data Analysis:** Used Pandas and Natural Language Toolkit to analyze random batches of tweets from the Twitter API. Performed sentiment analysis on the tweets to determine most common positive and negative words, found trends of tweet sentiment correlated with time posted, and created graph visualizations using Seaborn.

Skills

- **Programming:** Java, C, Python, MySQL, Git, Android Studio, HTML, CSS, Javascript
- **Platforms:** Windows 10, Linux(Ubuntu)