

# Michael DeDreu

Portfolio: mdedreu.com

Email: mdedreu21@gmail.com

Phone: 973-590-4107

Github: github.com/capacitor21

## EXPERIENCE

---

- **ConnectiveRx** Whippany, NJ  
*Engineer, Application Development* April 2021 - Present
  - Write cloud-based, web applications in Node.js using AWS Lambda, DynamoDb, and APIGateway. Support legacy systems written in .NET.
  - Work on a team using Scrum Methodology and Test-Driven Development.
  - Write automation scripts for our CI/CD pipelines in Azure DevOps using AWS Cloudformation for infrastructure deployment.
  - Assist in creation of a connector system between our current CRM and Salesforce for historical data migration and real-time sync.
  - Implemented a feature to assemble and send outbound faxes from Salesforce through eFax, continuously check the transmission status, and report it back to Salesforce using AWS Step Functions.
  - Designed and implemented the data layer of our new pharmacy claims processing service using DynamoDB and ElasticSearch for flexible queries of historical data.
- **Lowe's** Morris Plains, NJ  
*Sales Associate* June 2020 - Jan. 2021
  - Assisted customers with finding merchandise.
  - Stocked and organized 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.

## EDUCATION

---

- **Rutgers University** New Brunswick, NJ  
*B.S. Computer Science GPA 3.53* Sep. 2017 - May 2021
  - **Relevant Courses:** Intro to Databases, Intro to Data Science, Software Methodology, Internet Technology, Principles of Programming Languages, Data Structures, Computer Architecture, Artificial Intelligence, Computer Security, Linear Algebra, Calculus I - III, Statistics

## PROJECTS

---

- **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.
- **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, found trends of tweet sentiment correlated with time posted, and created graph visualizations using Seaborn.

## SKILLS

---

- **Programming:** Javascript, C#, SQL, Java, C, Python, HTML, CSS
- **Technologies:** ElasticSearch, AWS DynamoDb, AWS Lambda, AWS S3, AWS Step Functions, AWS Cloudformation, SQLServer, Git