DM

Daniel E. Madrid
Software Engineer

Contact

Phone
412-298-8910

Email
Dem283@cornell.edu

Address
**901 Shellbrook Ct.
Apartment 13
Raleigh, NC
27609**

Github
Github.com/dmadrid

Website
Dmadrid.github.io/main

Skills

Languages
- Javascript
- Python
- Golang

Frontend
- Angular2+
- AngularJS
- RxJS
- Typescript

Backend
- Maven
- Spring
- ExpressJS

Databases
- Neo4J
- MongoDB
- SQL

Tools
- Flyway

Experience

Optum Technology (UnitedHealth Group)
Associate Software Engineer   **June 2019 – June 2020**

Developed web-based application with suite of Canonical APIs, interfaced APIs with suite of DAL Apis
Skills: Angular, Typescript, RxJS, Jest, Java, Maven, SpringBoot, Hystrix
- Implemented JWT user authentication with session storage and route guards regulated by user roles and privileges
- Maintained 80%+ code coverage with Jest tests
- Implemented RESTful APIs, adhering to HL7's FHIR specifications

Developed EHR-integrated application that grants practitioners access to UnitedHealth Group's RESTful APIs.
Skills: Angular, Typescript, RxJS, Jasmine, Java, Maven
- Introduced modularity to application suite
- Improved reusability of code through UI best practices
- Maintained 80%+ code coverage with Jasmine tests
- Implemented RESTful APIs, adhering to HL7's FHIR specifications
- Managed deployments to environments via Jenkins pipeline

Software Engineering Intern   **Summer 2018**

Developed full-stack platform, focused on delivering IoT data to practitioners
- Coded client facing IoS application that integrated with various IoT devices
- Coded provider facing web-based application in ReactJS
- Developed APIs that communicated information between applications

BuildInMotion
Software Engineering Intern   **Summer 2016, Summer 2017**

Developed Angular2 application as part of platform driving real-time interactions between clients

Side Projects

CyFHIR
This Neo4j plugin serves to deliver meaningful graph database representations of models described by FHIR, a healthcare interoperability standard. CyFHIR was published to Optum's public open source community in April 2020
Skills: Java, Maven, ExpressJS, NodeJS, Typescript, Neo4j

Education

Cornell University
B.S. Operations Research and Information Engineering   **May 2019**
Minors in Business and Information Science