

Highly motivated and excited professional committed to a long-term career in software application development. Experienced service engineer who excels at analyzing diverse problems, finding and implementing solutions, and documenting results.

Technical Skills

Languages: Java, C++, Python, HTML5, CSS3, SQL, XML

Frameworks/Libraries: Android, Swing, JavaFx

Other: Git/GitHub, Android Studio, Linux OS

Project Experience

Baking Recipes Android App - dcalabrese22.github.io/Baking-Recipes/

June 2017

- Mobile app that allows users to read ingredient lists, preparation directions, and watch videos for baking desserts.
- Displays a grid of recipe cards, launches a details screen when a recipe is selected, and allows users to select recipe step instructions that launches a video example.
- Utilized RecyclerView, ContentProvider, data persistence, SQLite database, Intents, Widget, and master detail flow.

Popular Movies Android App - dcalabrese22.github.io/Discover-Movies/

May 2017

- Mobile app that allows users to browse movies, tag favorites, read reviews, and watch movie trailers.
- Retrieved movie data from online REST API in JSON format and stores data in local SQLite database.
- Utilized recyclerviews, custom content provider, and loaders.

Radio Station Music Database - dcalabrese22.github.io/RadioStationDatabase

December 2016

- Relational database that would allow tracking of songs, advertisements, and other things played on the air by DJs across radio stations, implemented in Oracle 11g XE.
- Modeled relational schema by creating in depth entity relationship diagram and wrote SQL to build the database.

Work Experience

Albany Molecular Research, Inc. - Service Engineer

Rensselaer, NY | January 2012-Present

- Maintain and administer 2 computer networks and 13 computing environments including computer hardware, systems software, applications software, and all configurations.
- Responsible for the calibration and maintenance of 40 laboratory instruments, which saves approximately \$200,000 yearly and reduced instrument downtime by 50%.
- Communicate with vendor personnel for new instrument price quotes, software updates, and product availability.

Pace Analytical Laboratories - Extraction Chemist

Schenectady, NY | September 2010-January 2012

- Worked on the GE Hudson River dredging project which required 50 to 100 samples to be extracted, analyzed, and reported within a 24 hour time period daily.
- Setup and conducted chemical experiments, tests, and analyses, using techniques such as chromatography, spectroscopy, physical or chemical separation techniques, or microscopy.

Education

Udacity - Android Developer Nanodegree

March 2017-present

Hudson Valley CC - Coursework in Computer Information Systems

January 2015-May 2017

University of South Florida - Biomedical Sciences, B.S.

December 2008