

Richard A. Macias

4545 N GreenView Ave. Chicago, IL
Rmacias2454@gmail.com

Software/Electrical Engineer

Professional Profile

Currently participating in the Grow with US Google Scholarship for Android Development and attending Georgia Tech for my Masters in Computer Science. On my free time, I participate in several Software meetups a week in Chicago. I really enjoy Android and working on full stack applications.

Education

Master of Science in Computer Science, Spring 2019 - Georgia Institute of Technology, Atlanta, GA
Bachelor of Science in Electrical Engineering, 2014 - University of Central Florida, Orlando, FL

Spring 2018 Schedule: Machine Learning With Trading

Classes Taken: Software Architecture, Database Systems, Software Design Process, Info Security

Technical Skills

Languages: Java, Python, HTML, CSS, Javascript, PHP, C
Frameworks: Junit, Android, Angular 2, Node.js, Express
Databases: SQL, (Mongoose)MongoDB

Software Portfolio/Classwork Highlights

Full list of projects available on www.Richie-ee.com GitHub <https://github.com/Rmacias91>

Machine Learning Algorithm Comparisons(Spring 2018)

Using Python 2.7 created a Decision Tree with information gain using Correlation, a Random Forest Tree, and baggers. Algorithms' parameters were adjusted with varying test data and compared using data tables and graphs. Numpy and Pandas were mainly used and the application was tested on school linux servers.

Popcorn Android App (Fall 2017)

Android Application that stores multiple movie accounts and generates QR codes that lets the movie theater scan an account. The generation of the QR code is a replica of the original movie android application.

Cryptogram Android Game (Summer 2017)

Android application created in a team of 4 in the Software Development Process class. The tools used were Android Framework, TDD, Black Box Testing, UML class diagram, Google Hangouts (Team Meetings), and Agile Development.

Work Experience

Amped I LLC

Chicago, IL

Electrical Engineer

April 2015- April 2017

Worked under several teams of 2-5 engineers and for over 5 different clients.
Upgraded 12KV Feeders, fiber communication, and digital fault recorders.

St. John's Optical Systems

Sanford, FL

Electrical Engineer Intern

Dec 2013- April 2015

Worked under Senior Engineers and Physicists developing laser imaging and Infrared products.