Rodolfo Ballesteros

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EDUCATION

University of Illinois at Urbana-Champaign May 2016
Bachelor of Science in Computer Science and Statistics

EXPERIENCE

Capital One Chicago, IL
Senior Associate Software Engineer December 2019 – Present
- Currently working on securing the cloud infrastructure used for Machine Learning at Capital One
- Creating infrastructure to support the federal regulation and enforcement of data retention for data used for Machine Learning
- Developed a centralized solution for Data Scientists to provision compliant resources within AWS

Allstate Chicago, IL
Software Engineer in Research and Development June 2016 - Present
- Turning innovative ideas into proof of concepts using different languages and platforms
- Currently developing a web-based application with React employing decentralized storage and encryption of data
- Created an iOS App that automated the extraction and analyzation of user data from many different accounts locally on device
- Implemented a vehicle roadside emergency detection algorithm in an Android App with machine learning capabilities utilizing data from multiple sensors and map data (Patent Granted)
- Worked on the backend of a production iOS application using Java, Spring Framework, AWS, and MySQL

Capital One Champaign, IL
Software Engineer Intern February 2016 - May 2016
- Developed an internal Android application used for company-wide communication
- Android app was implemented using clean architecture and followed Material Design guidelines

Allstate Northbrook, IL
Software Engineer Intern in Research and Development May 2015 - August 2015
- Implemented an Android and C++ application to 3D map and virtualize environments using the Google Tango Tablet and Oculus Rift
- Developed a web-application using the MEAN (MongoDB, Express, Angular, Node.js) stack
- Lead a team of four interns in creating an Android application from concept to prototype during a hackathon
- Pitched proof of concepts to high level business leaders

SKILLS

- Programming Experience: Java (3 years), JavaScript (3 years), React (6 months), Swift (1 year), Python (3 years), SQL (3 years), HTML, CSS
- Android Development (2 years) - Java, TensorFlow, Material Design
- iOS Development (1 year) - Swift, Core ML
- Web Development (2 years) - React, JavaScript, HTML, CSS,
- AWS Development (2 year) - Lambda, Elastic Beanstalk, EC2, S3
- Pipeline and Deployment (3 years) - Jenkins, Pivotal Cloud Foundry
- Languages: Fluent in English and Spanish

VOLUNTEERING

Capital One Chicago, IL
Coders December 2019 - Present
- Mentored fifth grade students in an after-school Android Development program in the city of Chicago.
  o Helped students design their app's interface and program the functionality.
- Assisted in the adaptation of the Android development program to an online format for remote learning during the COVID-19 pandemic.
  o Worked on creating the curriculum, walk through slides, and the main objectives for each activity.
- Helped instruct and mentor fifth grade students in web development programs.
  o Students learned how to build a website with HTML and style it with CSS.