Gabriel Salvador Santiago-Guzmán

Ext. Monte Sol Calle Yaurel 3023, Cabo Rojo, Puerto Rico, 00623
http://gsantiago.me • https://www.linkedin.com/in/agSant01 • https://www.github.com/agSant01 • gabriel.santiago16@upr.edu • 939-259-2055

Objective

Seeking for an internship experience.

Education

University of Puerto Rico – Mayagüez Campus   **Expected Graduation Date: May 2020**
Bachelor of Science in Computer Engineering   **Graduation GPA: 3.50 / Major GPA: 3.21**
- *Related Coursework*: Advanced Programming (Java, object oriented), Fundamentals of Computing, Data Structures

Experience

MCS Healthcare Holdings, LLC - Coop Experience   **Feb 2018 - July 2018**
- Designed and implemented web application to reset password of internal corporate applications, Angular5
- Designed and implemented web application to generate reports of users of an aplicación for audits, Angular5
- Both API's made in Flask, used PYODBC to connect to SQL Servers and IBM's AS400 system
- Efficiency considered in design of the API. 8,000+ user records.
- Both applications passed Quality Control and are being used in the production environment. Automated security certification process.

App Dev Team - Undergraduate Research UPRM (*Lead Android Developer*)   **Aug 2016 – Jan 2018**
- **IAP App Development Team**
  - Implemented voting, registration, and profile managing application. In Android application. Android Studio
  - Helped in design database schema with Firebase Database (no-sql db)
  - Implemented Android application API using Firebase DB.
  - Official Android application of the Industrial Affiliates Program Annual Conference

Richport Solutions Inc. (*Consultant, Lead Android Developer*)   **July 2017 - Jan 2018**
- **Marketing Uploader System**
  - Involved in the design of the website using Angular4
  - Helped design database schema using Firebase DB (no-sql)
  - Android application with Android Studio, upload photos, create events, manage profile
  - Backend API with Firebase DB. Integrated with Firebase Functions.

Artificial Intelligence - Undergraduate Research UPRM   **Jan 2017 - Jan 2018**
- Learned concepts and variations of machine learning algorithms
- Gathered basic knowledge of Linear regression, Neural Networks, and Convolutional Neural Networks (CNN's)
- Read papers on using CNN's to extract features from photos and apply them on another one.

Research Experience for Undergraduates – North Carolina State University   **June 2017 – Aug 2017**
- **Center for Educational Informatics**
  - Worked on an intelligent tutoring system based the clustering technique of machine learning
  - Researched different methods to improve a clustering model trying different Kernels to improve efficiency
  - Sigmoid, Polynomial, Euclidean Distance Kernels

Computing Alliance of Hispanic-Serving Institutions   **Aug 2016 – Present**
- **Active Member**
  - Algorithmic Thinking Workshop
  - Software Design Workshop

Extreme Science and Engineering Discovery Environment (X-SEDE)
- Linux/Unix Workshop - Aug 2016

Skills

Linux Ubuntu (*2 years experience*)
Android Development
- UX, Android Studio, Firebase Ecosystem

Computer (Individual bullets ordered by skill)
- Python, Typescript, SQL, HTML, JavaScript, Java, C
- GitHub, Terminal, Software Design, Database Design, Firebase, Machine Learning
- Angular5+, Flask (server framework), SQL Server, Internet Information Services (IIS), IBM's AS400 system

Languages
- Spanish and English (Fully Bilingual)