Jorge Fuentes

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GitHub — https://github.com/sanjorge11

Education

University of North Carolina at Chapel Hill   GPA: 3.572

B.S. Computer Science   Senior, expected graduation date: May 2019

Relevant Coursework: Data Structures, Algorithms, Computer Organization, Linear Algebra, Calculus, Physics and Relativity, Discrete Mathematics, Advanced Web Programming, Files and Databases, Mobile Computing Systems

Relevant Work Experience

SAS Institute   **Cary, NC**

Software Engineering Intern | Fraud and Security Intelligence   May 2018 – Present

- Developed additional features for the new release of SAS Anti-Money Laundering software.
- Implemented **REST** services and custom Kendo UI with **Angular** framework to allow users to interact with a private database.
- Developed a toolbar component to allow users to switch between data tables and query records.
- Worked with a **Spring MVC** framework that utilizes **Java**-based Tomcat server and **Data Warehouse** model architecture.
- Implemented integration and unit tests that utilized **Powermock** framework to emulate service calls.

University of North Carolina at Chapel Hill   **Chapel Hill, NC**

Web Developer | CS Department and School of Pharmacy   Aug 2017 – May 2018

- Maintained a website that is utilized by various analysts as a tool for virtual chemical research; managed by UNC School of Pharmacy and Computer Science Department.
- Developed a **RESTful API** using **Python** and **Flask** framework for a research demo.
- Fixed various bugs in server-side application logic.
- Developed additions to front-end using **HTML/CSS** and **JavaScript.**

Web Developer | CS Department   Aug 2016 – May 2017

- Collaborated with a team to design and implement the UNC Computer Science student web portal.
- Web application aims to facilitate job matching and provide employer review services to students in upcoming semesters.
- Utilized **LAMP** stack model as a base to web application.
- Utilized **Bootstrap** framework to design front-end and **phpMyAdmin** to manage a **MYSQL** database.

Technical and Infrastructure Support | CS Department   Aug 2015 – May 2016

- Triaged and troubleshot software issues for students and faculty.
- Diagnosed hardware malfunctions and provided service for replacements.

Selected Projects

Shared Chat Room | Android App

- Users who connect to the app are able to post text and images to a shared chat saved to an external service.
- Used **Google Firebase** as backend administrator to hold user information and posts in real-time database.
- Implemented custom RecyclerView to dynamically load posts rather than having the entire conversation history to load.

Eight Queens | Android App

- An interactive application that allows users to play classic chessboard game, written in **Java**.
- 'Show Solution' option uses recursive back-tracking algorithm display a solution; or will notify user if a solution does not exist. 'Restart' option clears the chessboard so that the user can start over.

Skills

Languages (Technical and Spoken):

- Well versed in **Java**, **JavaScript, MYSQL, and HTML/CSS**
- Familiar with **MIPS** Assembly, **PHP**, **Python, C**, and **Swift**
- Bilingual, proficient in English and Spanish

Frameworks/Technologies:

- Front-End: **Angular**, **Bootstrap**
- Back-End: **Spring**, **Sails.js**, **Node.js**
- Testing: **Powermock**, **Gulp.js**, **JUnit**

Honors and Accomplishments

- Dean's List Recipient at the University of North Carolina – Chapel Hill, Certified Programmer for **SAS 9**, Charles Dunham Scholarship (CS Merit-Based Scholarship), National Honors Society, I.B. Diploma

References gladly available upon request