

Jorge Fuentes

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Education

University of North Carolina at Chapel Hill May 2019
B.S. Computer Science GPA: 3.57
Relevant Coursework: Data Structures, Algorithms, Advanced Web Programming, Files and Databases, Mobile Computing Systems, Computer Organization, Calculus, Linear Algebra, Discrete Mathematics

Skills

Languages (Technical and Spoken):

- Well versed in **Java**, **JavaScript**, **SQL**, and **HTML/CSS**
- Familiar with **Python**, **C**, **PHP**, **MIPS Assembly**, 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**

Relevant Work Experience

SAS Institute Cary, NC
Software Engineering Intern | Fraud and Security Intelligence May 2018 – Present

- Worked as a full-stack developer with a team of 7 developers and 2 program managers in an **Agile Development** environment to deliver the new release of SAS Anti-Money Laundering software.
- Implemented **REST** services and custom Kendo UI using **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 **Spring MVC** framework that utilizes a **Java**-based **Tomcat** server and a **Data Warehouse** model architecture.
- Implemented integration and unit tests that used **Powermock** framework to emulate service calls.

University of North Carolina at Chapel Hill Chapel Hill, NC
Web Developer | UNC CS Department and School of Pharmacy Aug 2017 – May 2018

- Maintained a website that is used 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.
- Implemented **Tomcat** server-side logic using **Java**.
- Developed additions to front-end using **HTML/CSS** and **JavaScript**.

University of North Carolina at Chapel Hill Chapel Hill, NC
Web Developer | UNC CS Department Aug 2016 – May 2017

- Collaborated with a team of 2 developers 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.
- Used **LAMP** stack model as a base to web application.
- Used **Bootstrap** framework to design front-end and **phpMyAdmin** to manage a **MYSQL** database.

Selected Projects

Shared Chat Room | Android Application Oct 2017 – Dec 2017

- Allows users to post text and images to a shared chat that is stored in an external service.
- Used **Google Firebase** as backend administrator to manage user posts in **real-time database**.
- Implemented custom lazy loading component to optimize HTTP requests by dynamically loading posts based on user interaction.

CollabGrader | Web Application Nov 2017 – Dec 2017

- Worked with a team to implement a web application that allows students to submit assignments with additional metadata to a **SQLite** database and display a **D3.js visualization** of the classroom's collaboration patterns.
- Used **Bootstrap** framework to design a responsive user-interface.

Honors and Accomplishments

- **Charles Dunham Scholarship** – A \$7,000 merit-based scholarship awarded by UNC CS Department to 1 student in their junior year based on academic achievement.
- **Certified Programmer for SAS 9** – Received high passing score, proctored at SAS Institute campus.
- Dean's List Recipient at UNC Chapel Hill (4/6 semesters)