

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

- Triageed and troubleshoot software and networking issues for students and faculty.
- Diagnosed hardware malfunctions and provided service for replacements.

Selected Projects

Social Media Demo | Android App

- Users who connect to the app are able to post text and images to a shared chat.
- Uses **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.
- ‘Show Solution’ option uses recursive back-tracking algorithm to find a solution.

Skills

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

Honors and Accomplishments

- Dean’s List Recipient at the University of North Carolina at Chapel Hill, Certified Programmer for **SAS 9**, Charles Dunham Scholarship (CS Merit-Based Academic Scholarship), National Honors Society, International Baccalaureate Diploma

References gladly available upon request