CAMILA GARCÍA

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Education

UNIVERSIDAD DE LOS ANDES – Bogotá, Colombia
BS expected in October 2018
Systems and Computing Engineering Degree
GPA: 3.75

Independent and Academic Projects

RHEUMATOID ARTHRITIS TREATMENT RECOMMENDER– UNIANDES, Mid-career Project

- Web based application to help doctors treat arthritis with the use of personalized medicine.
- Use of Neural networks to work with previous cases in order to find treatments with highest success percentage for a given patient profile. Data was given my partner local hospitals interested in the project.
- Winner of "El Concurso", where the project got funding to keep development going beyond scope of class.

MOCK OIL WELL MONITORING SYSTEM - UNIANDES, Academic Project

- Mock application that used microcontrollers and IoT to monitor different variables in oil wells.
- Web and mobile interface for both supervisors and workers, with authorization and report generators.

ZONIFIED MICROPHONE INTERFACE – Freelance Software Project

- Specifically designed for the 1VOX4U product at B&G electronica SAS.
- Designed and implemented software that captures and sends sound clips to specified zones in a building.

Skills

COMPUTER LANGUAGES: Java (proficient), Python (proficient), JavaScript (familiar), C++(familiar)
LANGUAGES: Spanish as native language, Proficient in English and German

Experience

GOOGLE SOFTWARE ENGINEERING INTERNSHIP– GOOGLE, July 17 – Oct 17

- Upcoming internship in google, Mountain View offices.

RESEARCH ASISTANT IMAGINE GROUP– UNIANDES, January 17 – June 17

- Undergraduate Research Assistant at Lung Segmentation and Aeration Quantification doctorate project.
- Helping develop best ways to quantify and analyze results for best use in hospitals.

COURSE MATERIAL AND WORKSHOP DEVELOPMENT – UNIANDES, July 15 – Dec 15

- Restructuring of the Data Structures course
- Took part in a small group of students that offered to help drastically change a course after being dissatisfied with it.

TEACHER ASSISTANT – UNIANDES, Aug 14 – Dec 15

- Assisted in several core CS classes, such as Design and Analysis of Algorithms, Object-oriented Programming and Algorithmic I, Structural and Logical Mathematics and Technological Infrastructure.
- Helped create a new system for project grading in Technological Infrastructure.

ACADEMIC TUTOR – Cupi2 Project, UNIANDES, Aug 14 – Dec 14

- Tutored for different engineering students taking Computer Science classes.
- Project reduced desertion and improved overall grades for engineers in entry level CS classes.
- Recognition as best tutor in the project, chosen by the students tutored.