

## EDUCATION

### Universidad de los Andes - Bogotá Colombia

- B.S Systems and Computing Engineering
- Intended Grad: June 2020

**GPA:** 4.5/5

#### Relevant Coursework:

Programing with Web Technologies, Construction of Mobile Applications, Agile Methodologies and Processes, Software Architecture and Design, Algorithms Design and Analysis, Algorithmic and Object Oriented Programing

## WORK EXPERIENCE

### Sincosoft - Freelance

**Apr. 2020 - Jun. 2020**

- Sincosoft is a software company that provides a ERP system as a service to its clients. Hired to develop a web application for distributing content to clients of the ERP. This job is being done in a team of 5 members, following an agile approach.

*Skills gained:* Scrum, UX y UI, React, Node JS

### Universidad de los Andes - Research Assistant

**Jan. 2020 - Jun. 2020**

- Research assistant on the curriculum migration from Java to Python for the introductory programming courses. Responsible for managing the student help center, grading, and developing workshops for the courses. Approximately 900 students are currently taking this course.

*Skills gained:* Java, Python, Teaching

### Universidad de los Andes - Teaching Assistant

**Jan. 2019 - Dec. 2019**

- Teaching Assistant focused on producing teaching material for students, and general redesigning of the Software Architecture and Design course. Approximately 75 students take this course each semester.
- Accomplished a 6% improvement in student satisfaction, as measured in the surveys taken at the end of the semester, by doing video explanations of course related topics, and technology tutorials.

*Skills gained:* Software Architecture, Python, Django, Effective Communication

## PROJECTS

### Blockchain based system for supply chains - Bachelor Thesis

**Present**

- Design of a reference architecture for supply chain traceability with blockchain based systems.
- Development of a working prototype which registers supply chain activity in a blockchain, and has a visualization of the entire supply chain activity.

### Pharmaco - Mobile app for pharmacy logistics

**December 2019**

- Developed a Kotlin app that aims to speed up the delivery of medicines in pharmacies of Colombia.
- The app uses: QR codes, image to text recognition, and GPS to improve delivery logistics.

### NIDOO - Software Architecture Design Proposal

**Fall 2018**

- Developed a software architectural design for a Colombian startup that provides parking lot services to their clients. Their main difficulty was to implement an on-demand service of parking lot reservation.
- The design used the architectural styles publish/subscribe, and microservices to improve the systems latency, security and maintainability.

## AWARDS AND RECOGNITIONS

### Third Place - Zoohackathon Colombia

**Nov. 2019**

- The Zoohackathon Colombia was organized by the US Embassy and Amazon Web Services.
- The challenge was to develop technological tools to mitigate and control illegal timber traffic.
- The proposed solution was a blockchain based system, that tracks wood through the hole industrial process, by using complementary technologies, such as SMS messages, mobile apps, QR codes and GPS.

### First Place - Carvajal's Hackathon

**Oct. 2019**

- Winner in the challenge proposed by the Colombian Agrarian Bank.
- The challenge was to find technology based strategies to include farmers in the banking industry.
- The proposed solution was a BI web tool that formed clusters between farmers for them to conform associations among them, and become more competitive in the market.

## TECHNICAL SKILLS

Java (3 yrs), JavaScript (2 yrs), Python (1 yr), Node JS (1 yr), Django (1 yr), React (2 yrs), Kotlin (6 months), Android (6 months), Git (3 yrs), HTML (2 yr), CSS (2 yr), SQL (2 yr), Mongo (1 yr), Firebase (6 months), GraphQL (1 month), Heroku (6 months), UML (3 yers), MDE (6 months), DSL (6 months)

## LANGUAGES

- Spanish (Native)  
- English (Fluent)