

# PEDRO SALAZAR PAREDES

Bogotá, Colombia

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## EDUCATION

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**Universidad de los Andes**

Expected graduation: Spring 2020

BS in Systems and Computing Engineering

Overall GPA: 3.8/5.0

Minor in Computational Mathematics

Minor in Literature

## TECHNICAL SKILLS

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### Programming Languages

Java, Python, Haskell, Scheme, Scala, Athena, C++, Prolog, Oz, MATLAB, Bash, SQL, and a good understanding of the main programming paradigms (functional, declarative, logic).

### Software/Tools

Docker, L<sup>A</sup>T<sub>E</sub>X, HTML, Tableau, OpenRefine, Git, Excel, Word, Wireshark.

## EXPERIENCE

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**Universidad de los Andes**

08/2018 - 12/2018

*Teaching assistant for the course Algorithms and Object Oriented Programming I*

- Introductory object oriented programming course in Java.
- Graded practical exams and projects, attended one of the weekly classes to assist students and answer questions.

**Universidad de los Andes**

08/2016 - 12/2016, 01/2017 - 05/2017, 08/2018 - 12/2018

*Teaching assistant for the course Algorithms and Object Oriented Programming I (Honors)*

- Honors version of the base course which includes the addition of extra emphasis on algorithms and complexity theory.
- Graded practical exams and projects, attended one of the weekly classes to assist students and answer questions.

**Universidad de los Andes**

08/2017 - 12/2017

*Teaching assistant for the course Algorithms and Object Oriented Programming II*

- Intermediate object oriented programming course in Java.
- Graded practical exams and projects, attended one of the weekly classes to assist students and answer questions.

**Universidad de los Andes**

01/2019 - 05/2019, 06/2019 - 08/2019

*Teaching assistant for the course Introduction to Programming*

- Introductory programming course in Python.
- Worked in a team of five TAs and two teachers in designing and implementing class material.
- Prepared the course for upcoming massification (this course is intended to replace the first of the Java courses mentioned above).
- Worked together with one of the teachers in the development of an autonomous grading tool for the course.

- Revised and edited two of the Connected Digital Markets reports, checking both content and form.

## LANGUAGE SKILLS

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**Spanish:** Native

**English:** Fluent

**Portuguese:** Beginner

**German:** Beginner

## RELEVANT COURSEWORK

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Algorithms & Object Oriented Programming I (Honors)	Intro to Microeconomics
Differential Calculus	Structural Maths & Logic
Algorithms & Object Oriented Programming II (Honors)	Machines & Languages
Technological Infrastructure	Linear Algebra (Honors)
Data Structures	Graph Theory
Algorithm Analysis & Design	Transactional Systems
Software Development in Teams	Integral Calculus & Differential Equations
Software Architecture & Design	Intro to the Theory of Computation
Vector Calculus	Scientific Programming
Information Theory	Probability & Statistics
Software Development in Teams	Integral Calculus & Differential Equations
Modelling, Simulation, & Optimization	Programming Paradigms
Software Verification	Maths in Functional Programming

## EXTRA-CURRICULAR ACTIVITIES

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Participated in multiple CCPL (Colombian Collegiate Programming League) and ACM - ICPC competitions placing twice among the top places in the country and advancing to the regionals.