

# Jose Gabriel Tamura

Bogotá, Colombia

## PERSONAL DATA

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## EXPERIENCE

### UNIVERSIDAD DE LOS ANDES:

RESEARCH ASSISTANT 01/17-09/17	Human-in-the-loop mobile device interfaces for ground vehicles and articulated robots.	Designed the testing strategies and test cases to enhance the robot's interface usability. Built a teleoperated robotic arm controlled by Android devices (Lego Mindstorms EV3).
	Reliability in Desktop Cloud Systems.	Designed and developed a distributed application prototype for desktop cloud environments.
TEACHING ASSISTANT 08/14-06/17	Structural Mathematics and Logic	Helped students by giving complementary classes about formal demonstrations of theorems and proving logical statements.
	Enterprise Architecture	Focused on principles of design and meta modeling to grade and give feedback about students' analysis on enterprises' needs, opportunities and problems.
	Java Object Oriented Programming 1	Guided students through the use of JEE in the OOP courses. The topics included threads, sockets, interfaces and basic communication protocols.
	Java Object Oriented Programming 2	

Obtained a 5.0/5.0 grade as TA for all courses.

## EDUCATION

JULY 2014 - Present Systems and Computing Engineering, Universidad de los Andes, Bogotá (ABET accredited program)  
Expected Graduation: October 2018 | GPA: 4,33/5

## PROJECTS - AWARDS

### ❖ ConTrack, JAN. 2017 - PRESENT [Repository](#) | [Website](#)

1st place in the program's capstone-project contest. Obtained funding in cash from industry sponsors.

*Designed and implemented a web app that keeps track of public contracts country-wide, monitoring how public money is spent to fulfill contract obligations. Its aim is to help reduce corruption related to artificially inflated costs and overruns using dataviz.*

**Technologies:** Meteor-React-Mongo Javascript. Leader in a group of 3. Course "Design and innovation in IT"

### ❖ OilSoft, JULY. 2016 - DIC.2016 [Repository](#)

*Developed a scalable back-end that supports the management of the information of simulated wells in a petroleum company (Geo location, temperature, emergencies, barrels per day). Developed a web and mobile interface for both supervisors and workers.*

**Technologies:** Java, REST services, Node-red, Arduino, PostgreSQL, Auth0 and Play!. Group size: 4. Course "Software Architecture".

### ❖ Andes Port, FEB. 2016 - JAN. 2016 [Repository](#)

*Built a back-end server that offers the necessary services to securely manage all kind of transactions that take place in a sea port.*

**Technologies:** Java, REST services, Oracle SqlDeveloper, Oracle Database, Wildfly. Group size: 2. Course: "Transactional Systems".

## TECHNICAL SKILLS

Basic Knowledge: Python, C++, C,  $\LaTeX$   
Intermediate Knowledge: SQL, Oracle DB, Mongo DB, Android  
Advanced Knowledge: Java, JavaScript, HTML-CSS

## LANGUAGES

Spanish: Native  
English: Advanced  
French: Basic