

# Patricio López Juri

SOFTWARE ENGINEER · FULL-STACK DEVELOPER

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*"A man whose fear is greater than his desire, or a man who has no great, all-consuming passion, or one who has patience and does not oppose, cannot be a pivotal character."*

## Education

### Pontifical Catholic University of Chile

M.ENG IN COMPUTER SOFTWARE ENGINEERING

[Santiago, Chile](#)

Mar. 2017 - PRESENT

### Pontifical Catholic University of Chile

CIVIL INDUSTRIAL ENGINEER, COMPUTER SOFTWARE ENGINEERING

[Santiago, Chile](#)

Mar. 2012 - PRESENT

- Software Design, Architecture and Engineering.
- Linear Algebra, Optimization and Machine Learning.
- IT Management.
- Accountability and Finances.

## Experience

### Impulso Docente (Foundation)

FREELANCE SOFTWARE ENGINEER

[Santiago, Chile](#)

Jun. 2017 - Exp. Jul. 2017

- Design and implement a mobile to help teachers improve their methodology through videos and feedback. Built with React-Native and Redux.
- Build on top of UI/UX concepts and had to teach process-management and improvement methods (Kanban) to clients.

### FEUC (Federación de Estudiantes de la Universidad Católica de Chile)

FREELANCE SOFTWARE ENGINEER

[Santiago, Chile](#)

Jan. 2017 - Exp. Ago. 2017

- Lead the requirement gathering, design and implementation of a mobile app built with React-Native and Redux with a Express.js, Keystone.js and MongoDB backend.

### Pontifical Catholic University of Chile

MAYOR-FIELD CAPSTONE COURSE MENTOR

[Santiago, Chile](#)

Mar. 2017 - Jun. 2017

- A Mentor for the Major Field Capstone Project guides a team of to 10 last-year computer science students during the full development cycle of a software project. Professor: Andrés Neyem, PhD.

### Pontifical Catholic University of Chile

TEACHING ASSISTANT

[Santiago, Chile](#)

Ago. 2013 - PRESENT

- Software System Architecture: 1 semester.
- Detailed Software Design: 1 semester.
- Advanced Design of Web Applications: 1 semester.
- Software Engineering: 1 semester.
- Web Technologies and Applications: 2 semesters.
- Advanced Programming: 5 semesters.

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FREELANCE SOFTWARE ENGINEER

[Santiago, Chile](#)

Mar. 2017 - May. 2017

- Implement shopping cart and a search feature with Node.js, MongoDB and jQuery. (Not deployed yet).
- Code-refactoring caused several improvements increased speed and reduced client-side files size.

### egghead.io

EGGHEAD INSTRUCTOR

[Remote](#)

Mar. 2017 - PRESENT

- Prepare, record and edit an online video course about developing modern JSON WEB APIs with Koa and the latest Javascript semantics. (Work in progress).

## Mediastream SpA

SOFTWARE ENGINEER

*Santiago, Chile*

*Dec. 2016 - Feb 2017*

- Research Functions as a Service (FaaS) and evaluate the project of splitting the main monolithic service from Express.js and MongoDB to AWS Lambda and DynamoDB.
- Lead developer at the design and implementation a full-stack application with Koa, Amazon RDS, React, React-Native and Redux with shared code-base and i18n support.
- Prepare and evaluate technical interviews for senior candidates.
- Improve developers experience by setting a developer-friendly and debuggable environment.

## Núcleo Milenio Centro de Investigación de la Web Semántica – CIWS

FREELANCE SOFTWARE ENGINEER

*Santiago, Chile*

*Oct. 2016 - PRESENT*

- Lead developer in charge of updating the official to a new CMS in Node.js and MongoDB from Python and SQL.

## Extracurricular Activity

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### Open Source UC

CORE MEMBER

*Santiago, Chile*

*Jan. 2017 - PRESENT*

- Lead developer of a non-profit community for developing apps to out university peers.

### Alma Máter UC

MEMBER

*Santiago, Chile*

*Jan. 2014 - Jan. 2016*

- First real-life development of a mobile app for iOS and Android (Objc & Java). It has success and over 30.000 downloads. It was an unofficial free mobile app for the university community.

## Honors & Awards

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2017 **1st Place**, Facebook Chile Regional Hackathon 2017

*Santiago, Chile*

2017 **Honor**, Outstanding Student

*Santiago, Chile*

2014 **2nd Place**, Start-up Weekend Chile

*Santiago, Chile*

2014 **Best Social App**, ChileHack

*Santiago, Chile*

## Writing

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### Advanced Programming in Python

BOOK WRITER

*CONICYT Founded Project*

*Sep. 2015 - Sep. 2016*

- Participant in the writing of a book about advanced programming concepts and usage in Python. Wrote about Webservices and Networking.
- Translate content from Spanish to English.

## Program Committees

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2017 **Co-Organizer & Video Tutorial Creator**, Taller de Programación OCI - PUC

*Santiago, Chile*

## Other

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**Collector**, Music vinyl records

*Santiago, Chile*

**Cryptocurrency investor**, Bitcoin (BTC) and Ether (ETH)

*Santiago, Chile*

2017 **Census Volunteer**, Census Taker

*Santiago, Chile*