

Francisco Peters

**MSc in
Computer
Science student**

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Experience

Allest / Android developer

March 2018 - Present

Working on employee attendance software using fingerprints and facial recognition. Using the following tools.

- Google Firebase/Firestore
- Microsoft Azure Facial API.

Quantum Labs / Ruby on Rails developer

August 2017 - November 2017

Worked on developing new features for Denticlick, a web app for dentists designed to keep track of their work time, expenses and appointments, also for clients to make appointments online.

Valio.cl / Django developer

March 2016 - June 2017

Developed the first beta of Futrama, a website to search for sport activities spots online, implementing ElasticSearch, WebPay and PayPal support and implementing the graphic design using CSS.

Reservo.cl / Django developer

August 2016 - February 2017

Worked on a project to automate the generation of electronic bills and send them to clients using Django, also allowing them to pay online using WebPay/Paypal.

Magnesia / Android developer

May 2016 - July 2016

Worked on adding features to a commercial Android application. This includes:

- Making the load of hundreds of custom markers on Google Maps faster by adding clustering, using Glide to load and resize the images and only loading the markers that displayed on screen.
- Implemented local saving of drafts created by the user with Sugar ORM, then edit those entries accessing the backend and get detailed stats of other people's entries.

Synopsys Inc / R&D Engineer Internship

January 2016 - February 2016 Vitacura 5250. Office 708

Internship, investigation and development of a JS based visualization project using Emscripten and WebGL.

This included:

- Asked to research about Emscripten and develop the visualization project in 2 months if it was possible, developed the first demo in 5 weeks.
- Reading and understanding a C++ project
- Write code to make visualizations of 3D structures and compile everything with Emscripten
- Added interactivity with the 3D object in JS.

Regular meetings in English and a live presentation of the demo.

Skills

Advanced: C (3 years), Java (4 years).

Intermediate: C++(1 year), Bash (2 years), Scheme (1 year), Matlab (1 year), Python (6 months), JavaScript (6 months), Android Studio (6 months), HDFS (3 months).

Tools: GNU/Linux, Git, SVN, Weka, RStudio, LaTeX.

College Courses:

- **Required:** Algorithms and Data Structures, Design and Programming Methodologies, Discrete Math, Theory of Computation, Databases, Systems Programming, Programming Languages, Computer Architecture, Operating Systems, Computer Networks, Software Engineering I and II, Design and Analysis of Algorithms, Software Project.
- **Electives:** Data Mining, Massive Data Processing, Information Visualization, Mobile Robotics, Computational Geometry, UML Workshop, IT Strategy and Planning.

Languages: Spanish as first language, English MELAB passed and professional working proficiency.

Education

University of Chile / MSc in Computer Science

July 2017 - July 2018 (Expected), Beauchef 850

University of Chile / Computer Science Engineering

March 2010 - December 2017, Beauchef 850

University of Chile / Computer Science

March 2010 - December 2016, Beauchef 850

Achievements

Maximum Score in Mathematics PSU 2010, Chile (only ~0.06% of students in the country achieve this).