

Francisco Figari - Buenos Aires based computer scientist

Resume - December of 2023

<http://ffig.ar/i>

- Experience

- Backend developer @ *Brubank* since May 2023.
Extension and building of backend systems oriented to communicate internal services, external services and *graphql* interfaces.
- Research intern @ *DC, FCEyN, UBA* between August 2021 and September 2022 under scholarship program for initiation in research. Study about browser based eye tracking applied to remote clinical studies, work done around *licenciatura* thesis.
- Fullstack programmer @ *DubbingDigital* between March 2021 y December 2021.
Development of web interface and web api of management software.
- Lead programmer @ *UrbanSim* between July 2018 y November 2020. Started with development of procedural generator of affordable housing, then switched to development of its evolving web platform.
- Research intern @ *ARSLab, Carleton University* between February and June of 2018.
Study about applicability of simulation to the development of embedded systems' firmware.
- Teaching assistant in the Numerical Methods course @ *DC, FCEyN, UBA*.
4 semesters between 2016 y 2018 distributed between laboratory classes and theory classes.
- Freelance programmer @ *LIAA, FCEyN, UBA* at the end of 2017.
Exploration of the use of eye tracking to the study of attention in static websites.
- Junior programmer @ *Eryx* during 4 months at the beginning of 2016.
- Kitchen helper and waiter @ *La Capelina, San Fernando* during summers of 2012 and 2013.

- Work skills

- Professional experience with multiple languages (**Golang**, **JavaScript**, **C++**, **Python**) and paradigms (objects, event driven, procedural).
Looking to learn new styles and applications of programming.
- Adoption of *agile* practices and *kanban* methodologies. Use of Jira.
Experience working in interdisciplinary teams consisting of *backend*, *mobile* and *frontend* developers, managers, *qa*, data scientists, urban planners and researchers, dealing with providers and leading small development teams (between 2 and 3 developers).
- Ability to build web interfaces and web apis (**Bootstrap**, **ExpressJS**, **Flask**).
Intermediate comprehension of **JavaScript**'s API to interact with the web browser.

Experience with reactive frontend libraries and frameworks (**ReactJS**, **VueJS**, **Redux**).

Basic knowledge about setting up, maintaining and migrating relational databases (**PostgreSQL**).

- Experience interpreting and working with urban planning zoning codes and geographic coordinate systems.

Manipulation of geospatial objects: drawing in frontend (**MapBox**, **TurfJS**); storage (**PostGIS**); usage in algorithms.

Usage of geocodification APIs (**GoogleMaps Geocoding API**).

- Interest in applying and studying programming and development best practices.

Experience with Test Driven Development.

General knowledge about **Unix** systems (**git**, **ssh**, **bash**).

Basic knowledge about *DevOps* (**webpack**, **kubernetes**, **gcp**).

- Native Spanish

Advanced English (daily usage for study and leisure)

Advanced French (schooling)

- Studies

- *Licenciatura* in Computer Science @ *DC, FCEyN, UBA*, equivalent to Bachelor + Master with thesis, started in 2013 and finished in 2022.

- High school @ *Licée Jean Mermoz, Buenos Aires*, finished in 2013.