

Francisco Figari - Buenos Aires based computer scientist

Resume - January of 2025

<http://ffig.ar/i>

- Experience

- Ssr backend engineer @ *Brubank* since May 2023.
Extension and building of backend systems oriented to communicate internal services, external services and backend-for-frontend services. Extensive communication with mobile teams in order to build reliable interfaces.
Development of backoffice frontend which allowed customer service to resolve tasks more easily.
Introduction to monitoring and development in large scale systems.
- 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.

- Experience 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

- Yoga teaching training program @ *Red Prisma* between July 2023 and April 2025.
Introduction to asanas, meditation and breathing work.
Introduction to Buddhism.
Training to lead yoga classes.
- *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.