


FRANCISCO GONZÁLEZ URRIOLA

Santiago, Chile (LATAM) Portfolio: <https://users.dcc.uchile.cl/~fragonza/>

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EDUCATION

Universidad de Chile - Faculty of Physical and Mathematical Sciences
Computer Science Engineering

Mar. 2022 – May 2027
Santiago, Metropolitan Region

EXPERIENCE

VTI Uchile - EOL (Online Education Platform, Vice-Rectorate for IT)

Mar. 2025 - Apr. 2025

Developer - Part-time

Santiago, Metropolitan Region

- Continued the process of investigating and documenting the necessary steps for version upgrades, under a new plan to update Open edX modules on EOL.
- Resolved logic errors for edge cases in Python modules, improving the reliability of CSV file generation by adding error handling.

VTI Uchile - EOL

Jan. 2025

Intern - Full-time

Santiago, Metropolitan Region

- Researched, adapted, and documented changes of new Open edX versions regarding the front-end.
- Gained experience in container technologies using Docker and in design patterns by manipulating micro-components.

PROJECTS

DCCPlaces | *Django, SQLite, Jinja, Tailwind CSS*

- Contributed to the backend of a platform for reserving spaces at the DCC.
- Implemented the logic using Django and SQLite.
- Implemented two user interfaces with Jinja and Tailwind based on a Figma design.

Mallas FCFM | *React, Typescript, Tailwind CSS*

<https://mallas-fcfm-fgonzalezurriola.netlify.app/>

- Created a web application to visualize the curriculum maps for degrees at the Faculty of Physical and Mathematical Sciences of the University of Chile.
- Developed the user interface with React and Tailwind CSS, focusing on creating a UI as similar as possible to the official documents.

DCCPRINT | *Go, BubbleTea, GoReleaser, Github Actions*

<https://github.com/fgonzalezurriola/dccprint>

- Developed an interactive TUI application using Go and the BubbleTea framework for easier and faster printing at the Computer Science Department.
- Automated the build, test, and release process with GoReleaser, adding support for multiple package systems and installation scripts, as well as technical documentation and unit tests for key components.

TECHNICAL SKILLS

Front-end Development: React, TypeScript, JavaScript, ThreeJS, Tailwind CSS

Back-end Development: Python Django, Flask, Go (Golang), Node.js, Express

Databases: PostgreSQL, MySQL, SQLite

Other: Docker, Git, Linux, OpenCode

Languages: Spanish (Native), English (B2, TOEFL certified)

EXTRACURRICULAR

Intro to Programming Teaching Assistant

Aug. 2024 – Dec. 2024

Universidad de Chile

- Responsible for grading the four formal course evaluations and 100 bi-weekly exercises.
- Used Python scripts to streamline plagiarism detection.
- Supervised the execution of evaluations coordinated by the course professors.