

Maximo Utrera

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SKILLS

- **Languages:** English, Spanish
- **Programming Languages:** Python, Go, JavaScript, SQL, HTML, CSS
- **Technologies:** Django, Git, Unix, SQLite, MySQL, Unit Testing, Virtual machines, Vscode & other IDEs

EXPERIENCE

University of Buenos Aires | *Algorithms & Programming Teaching Assistant:* *Aug 2022 – Dec 2022*

- Created exercises for students emphasizing conceptual understanding of topics (Python 3)

PROJECTS

Automatized System for Political Elections (Golang)

- Created a maintainable program to automate voting and save the data
- Implemented new well documented data types during development to make the program more efficient & easier to modify
- Handled multiple files (during the testing procedure) containing voters' IDs & information about the political parties
- Easily connectable to SQL databases for real-life usage

Tour Package Creator (Python)

- Wrote a modular python program utilizing Object-Oriented Programming to generate a tour package that an airline could sell depending on the information given by the user (most importantly a map represented in a kml file)
- Implemented a Graph data structure to handle all the information easily and quickly and several algorithms to find optimal solutions for each particular case
- The output files can be visualized in *Google Earth* as well as in a webpage (as a network visualization) using Pyvis library

Product Landing Page, Wordle-Like Game Logic and More Projects in my [GitHub](#)

EDUCATION

University of Buenos Aires | *Information Engineering* *Mar 2020 - Dec 2026*

- **Relevant courses:** Algebra, Mathematical Analysis, Algorithms & Programming

Additional Courses

- FreeCodeCamp certificate **in scientific computing with python, JavaScript Algorithms and Data Structures** and **Responsive Web Design** with approximately 900 hours of coursework