

Juan Miguel Gras Olea

Developer | Mechanical Engineer | Designer

Skills

Web Development

- Django
- Js | NodeJs | ElectronJs
- HTML
- CSS
- Bootstrap

Programming

- Python
- Go
- VB.NET
- Shell/Bash Scripting
- PostgreSQL | SQL Server

CAD

- Inventor
- Fusion360
- SolidWorks
- Siemens NX

Software

- Linux
- Git
- Confluence
- Jira

Projects

- [\[JS\] My personal web CV](#)
- [\[Python\] GF Gear Generator](#)
- [\[Electron\] GF Gear Maker](#)

Experience

Software Developer II | Oracle (Oct 2021 – Today)

Part of the 5G Policy team, responsible for implementing automated test scripts & test plans for various call flows as well as 5G related systems and functionalities.

- Created shell scripts for the automated installation of 5G Policy services (SM-RX) on our Linux server, as well as the retrieval of information and storage.
- Developed natural language & data analysis tools in Python.
- Created test plans and featured automated testing using BDD and python for the ATS in the Linux server.
- Started a Golang programming within the team.

Automation Engineer Jr. | Ruhrpumpen (Jan 2021 – Oct 2021)

Development of various desktop/CAD applications, calculators, designs for pumping related technology, and automated reporting programs.

- Developed the automated design program for the company's [vertical sump pump](#) line.
- Created the ECN (Engineering Change Notice) reporting program for the global management engineering team.
- Smart app for universally automated parametrization of parts for Inventor.
- Ran successful simulations to minimize the material used in pump's baseplates, effectively reducing its weight by 25%.

Maintenance Engineer | INSEME (Nov 2018 – Jan 2021)

More than two years of experience in preventive maintenance and repair of industrial level electrical installations and equipment.

- Team leader in charge of Heinz's maintenance & thermography job orders.
- Led to the successful installation of solar panels for Orgullo Azul's bottler in Tonaya, Jalisco.
- Routine maintenance for transformers and substations of multiple companies.

Mechanical Designer | IM Ingeniería y Construcción (May 2018 – Nov 2018)

Modeling of mechanical components and engineering drawings (including tolerances) for the design of an armored cabin for a private security company at Guadalajara.

Education

- [Six sigma white belt.](#)
- Mechanical Engineering at ITESO [2020]
- PLC Allen & Bradley programming course.