Juan Pablo **Mena Ríos**

ELECTRICAL ENGINEER, MSc

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Experience

Sisua Digital *Santiago, Chile*
INFRASTRUCTURE SOFTWARE ENGINEER *Nov. 2022 - Now*
- Implement and manage automation oriented web applications on Azure for customers in Finland, Chile and Vietnam.
- Design, develop and deploy backend of different SaaS solutions for recurring customer needs.
- Lead automation developers teams and perform code review with them.

Sisua Digital *Santiago, Chile*
AUTOMATION SOFTWARE DEVELOPER/SOLUTION CONSULTANT *Apr. 2021 - Nov. 2022*
- Design, develop and implement automation and digital transformation solutions (ETL, Data lakes, Web scraping, API integrations, Data analysis) for national and international clients of different industries.
- Develop and implement internal management automation scripts via container instances on cloud.
- Close relationship with several number of clients, identifying business opportunities and offering new solutions to fulfill their needs.

Procesadora del Maipo Frutexsa *Buin, Chile*
EXTERNAL CONSULTANT *Dec. 2017 - Dec. 2019*
- Designed and developed a real-time automatic dried prunes weight measurement device based on image processing on a real industrial line.
- Developed an industrial wireless networked control system with real time data connected to industrial PLC.

Skills

Programming : Python (django), C++, Matlab, Golang, JavaScript (node.js), LaTex.
Languages : Native Spanish, Advanced English, Basic Mandarin.
Experience with : Docker, Azure cloud ecosystem, Linux, SQL, MongoDB, Image processing, Kubernetes, Power BI.
Project management : Agile (Jira Scrum), Waterfall.

Education

Pontificia Universidad Católica de Chile *Santiago, Chile*
MASTER OF SCIENCE IN ENGINEERING *Aug. 2019 - Mar. 2021*
Thesis: Age of Information in IoT-based Wireless Networked Control Systems. Heavy simulations were programmed to optimize the stability of different distributed agent control loops connected between each other through wireless networks.

Pontificia Universidad Católica de Chile *Santiago, Chile*
BACHELOR IN ELECTRICAL ENGINEERING *Mar. 2014 - Dec. 2019*

University of Leeds *Leeds, UK*
EXCHANGE PROGRAM *Sept. 2018 - Jan. 2019*

Colegio del Verbo Divino *Santiago, Chile*
SCHOOL *2001 - 2013*

Extracurricular Activity

Pontificia Universidad Católica de Chile *Santiago, Chile*
TEACHING ASSISTANT
- Static and Dynamic systems Lab, Thermodynamics Lab, Electricity and Magnetism Lab.

Reforzamientos Belén UC *Santiago, Chile*
COORDINATOR AND TEACHER *2015-2017*
- Weekly math and Spanish lessons were held for high school vulnerable students from different schools of Santiago.
- In charge of managing the budget assigned by the university.

Awards

2021 **Best thesis in Electrical Engineering**, Pontificia Universidad Católica de Chile *Santiago, Chile*