

SAMUEL VALDES GUTIERREZ

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Engineer with 6+ years of experience in Finance and Hardware solutions, concluding a career shift into Software Development. Avid learner and self-disciplined with solid communication skills. Looking for entry-level positions in high-performant Software Engineering teams, preferably working with Full-Stack technologies. Strong knowledge of ReactJS and FastAPI frameworks, with a preference for Javascript and Python languages (but not exclusive).

EDUCATION

MSc Computer Science, Imperial College London *London, UK* | 2020 - 2022

- Graduated with an overall *Merit* degree (70.91%) achieving *Distinction* in thesis dissertation.
- Undertook student representative role for 100+ student fellows during 1st academic year.

Online Bootcamp – Full-Stack Development, Coding Dojo *Seattle, USA* | March, 2020 - Dec, 2020

- Undertook 10-month online course learning Full-Stack technologies.
- Main contents reviewed: HTML, CSS, Javascript, JQuery, AJAX, Python, Django, Java, Spring Boot, ReactJS, ExpressJS, NodeJS, SQL, MySQL, MongoDB, Git.

BSc Engineering, Pontificia Universidad Catolica de Chile *Santiago, Chile* | 2006 - 2013

- Major in Mechanical Engineering, Minor in Automation and Control Systems.
- Graduated with an overall grade of 6.0 (out of 7.0), being within the top 6% of the class (1st Class Honours).
- Tutored and supervised 100+ students as TA in courses such as *Engineering Challenges* and *Accounting*.

EXPERIENCE

Teaching Assistant, Coding Dojo *Seattle, USA* | Aug, 2021 - Present

- Tutored 100+ online students, successfully impacting them in their career conversion projects into full-stack development.
- Contents tutored: same ones as taught in degree (*refer to education section*)

FP&A Controller, Credicorp Capital *Santiago, Chile* | Oct, 2017 - Feb, 2020

- Established a new procedure for better allocation of the firm's expenses leading to savings of CLP\$ 100MM+.
- Streamlined P&L's reporting routines of each company's BU, reducing processing times from 1 week to 1 day.
- Developed in-depth expense analysis, giving valuable insight to the firm's directors for cost-reduction decision-making.

Sales Specialist, Hewlett Packard Enterprise *Santiago, Chile* | May, 2016 - Sept, 2017

- Designed and implemented up to US\$ 50M data centre infrastructure solutions (server, storage & networking).
- Strategically drove loyalty for HPE products/services among corporate partners and customers to increase demand.

Network Architect, IBM *Santiago, Chile* | Jul, 2014 - Feb, 2016

- Designed up to US\$20M pre-sales solutions for enterprise networking, VoIP, and wireless infrastructure.
- Certified in Cisco CCNA Routing and Switching (2015)

SKILLS

| HTML | CSS | JavaScript | NodeJS | Python | Java | C++ | Ruby | Solidity | SQL | JQuery | AJAX | ReactJS | React Router | Redux | NextJS | Django | Flask | FastAPI | ExpressJS | NodeJS | Spring Boot | Truffle | Ruby Sinatra | Bootstrap | MaterialUI | Lodash | Axios | SQLAlchemy | Alembic | Pydantic | VSCode | IntelliJ | STS | Git | Postman | Swagger | JWTs | Macaroons | OAuth2.0 | Wireshark | *Spanish – Native, English – Fluent*

PROJECTS

- **SeisEnt Platform.** Designed and implemented Proof-of-Concept (Full-Stack application) presenting a solution for seismic data entitlement problem in the Oil and Gas industry (*MSc CS degree dissertation, 2022*).
- **Teaching ML, Kaggle Style.** Developed frontend of educational WebApp clarifying ML overfitting concept to students from Imperial College Business School. Code available [here](#). (*MSc CS degree group project, 2021*)
- **DicomNav.** Built iOS app with a novel way of visualizing MRI images on an iPad device using the internal sensors of the device (*BSc Eng. degree dissertation, 2012*).

Mar 27th, 2023