Cristian Palma - Software Engineer

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Education:

MSc in Applied Mathematics on Combinatorial Optimization Algorithms, University of Chile. *Chile, 2022 - 2023*
BSc in Mathematics and Computer Science Engineering, École CentralSupélec. *France, 2019 - 2021*
BSc in Common Plan of Engineering, University of Chile. *Chile, 2017 - 2019*

Work Experience:

Software Engineer Intern at Bigblue *France, 2021*
Problem Solving and **Backend** dev on **Golang** with **FoundationDB** on e-commerce logistics.
Enabled Eco-friendly Deliveries by **integrating** a Green Carrier to the **Transportation Management System**.
Enabled Invoicing Multiple Countries by extending the **Billing System** with per Country Configuration.
Reduced Manual Input Errors on Invoices by implementing a **Semantic Validator** and a **Duplicate Verifier**.
Reduced Billing Processing Time by 50% by automatizing the **Batch Import** of Billing Lines.

Language Tandem Developer at BdI CentraleSupélec *France, 2020*
Organizing multilingual conversation meetings.
Matched 47% more people by implementing a **Matching Algorithm** on **Python**.

Research Intern at Sondra Signal Processing Lab *France, 2020*
Testing an Order Selection method for **Image Processing and Finance** on **Matlab**.
Increased Return on Investment on 50% by using Minimum Variance Portfolio.

Teaching Assistantships:

Combinatorial Algorithms and Mixed Linear Programming at University of Chile *2022*
Algorithms and Data Structures at University of Chile *2018*

Projects:

Binge-Watching Planner website **Frontend** dev on **JavaScript** using TMDB **API**. *2021*
Weather Forecast website **Frontend** dev on **JavaScript** using OpenWeather **API** and **Node.js**. *2021*
Film Recommendation website **Backend** dev with Amazon **DynamoDB**. *2020*
Propagation Maximization Algorithm on **Python** for a Viral Marketing Campaign. *2020*
Geoproximity based **Social Network** prototype **Full Stack** dev for Facebook **Hackathon** Chile. *2019*
Tour Guide Robot prototype dev and assembly on **Java** using Lego Mindstorms. *2018*
Defective Parts Detector Robot prototype dev and assembly on **Clang** using Arduino. *2017*
Pokémon Game basic replication on **Python**. *2017*

Honors:

Eiffel Excellence Scholarship granted by the Ministry of Europe and Foreign Affairs. *2019 - 2021*
First Place on Engineering Generation Ranking, University of Chile. *2018*
Andrés Bello Excellence Scholarship granted by the University of Chile. *2017 - 2022*

Computer Skills:

Programming	Python, Java, Clang and Golang.
Web	HTML, CSS, JavaScript and React.
Databases	DynamoDB, FoundationDB and MySQL.
Environments	VSCode, Command Line and GitHub.

Languages:

English	Advanced.
French	Advanced.
German	Elementary.
Spanish	Native.

Free Time:

Sports   Kung Fu (purple belt, mastered stick and saber), Running (finished Paris 10km Run in 52min).

Hobbies   **Competitive Programming**, Dancing, Volleyball, Traveling and Practicing other languages.