Cristian Palma - Software Engineer

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Education:

MS in Applied Mathematics on Combinatorial Algorithms, University of Chile.	*Chile, 2022 - 2023*
MS+BS in Mathematics and Computer Science Engineering, École CentralSupélec.	*France, 2019 - 2021*
BS in Mathematics and Computer Science Engineering, University of Chile.	*Chile, 2017 - 2019*

Work Experience:

Research Assistant at Center for Mathematical Modeling   *Chile, 2022*
Developed Polynomial Time Approximation Scheme for Machine Scheduling Problems.

Software Engineer Intern at Bigblue   *France, 2021*
Problem Solving and **Backend** dev on **Golang** with **FoundationDB** and **Google Cloud** on e-commerce logistics.
Enabled Eco-friendly Deliveries by **integrating** a Green Carrier to the **Transportation Management System**.
Made the **Billing System scalable** to invoice multiple countries by extending it with a per country config.
Incremented **Robustness** of the **Billing System** by implementing Semantic Validators and a **Duplicate Verifier** for Manual Invoices.
Reduced Billing Processing time by 50% by automatizing the **Batch Import** of billing lines.

Summer Internship at Amazon   *France, 2020*
Assisting the Warehouse Manager and Picking and Packing orders.

Language Tandem Developer at the International Assoc of CentraleSupélec *France, 2020*
Matched 47% more people wiht respect to the past year for multilingual conversation meetings by implementing a **Matching Algorithm** on **Python**.

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*

Technical Skills:

Programming	Python, Java, Clang, Golang and GitHub.
Web	HTML, CSS, JavaScript, Node.js and React.
Databases	DynamoDB, FoundationDB and MySQL.
Cloud	Google Cloud and Amazon Web Services.

Languages:

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

Free Time:

Volleyball, Bodybuilding, Dancing, Running, Kung Fu and **Competitive Programming**.