

Vicente Daie Pinilla

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WORK EXPERIENCE

CMMEdu, Universidad de Chile

July 2022 – Present

Full-time

Santiago, Chile

- The Education Laboratory of the Center for Mathematical Modeling (CMMEdu) at the University of Chile is committed to enhancing the mathematical abilities of children and teachers. This is accomplished by developing resources that integrate the power of technology, evidence from research, and a deep understanding of school-level mathematics.
- As a member of the Design and Programming team, my responsibilities include:
 - Systems administration and server management.
 - Automation of development-related processes.
 - Programming for several projects, websites and applications.
- I have developed and implemented websites for various projects with national reach, such as Sumo Primero, RedFID, MatCon, Suma y Sigue, among others. I also contribute to their continuous improvement.
- I have implemented monitoring mechanisms, including dashboards that integrate and centralize data from various sources. I am also responsible for implementing CI/CD mechanisms, and for standardization of IT infrastructure.

Asesorías PreviaL Ltda.

October 2024 – Present

Part-time

Santiago, Chile

- Administration and monitoring of the server hosting the company's web applications.

Full-stack freelance projects

January 2023 – Present

Part-time

Santiago, Chile

- Web application focused on monitoring financial assets at Chilean brokers.
- Commercial websites for a real estate company.
- Web applications focused on invoicing.

Professional Internships and Research Assistant

2021 – 2022

Santiago, Chile

- **(CR)²** - Development and continuous improvement of a web application for atmospheric data reanalysis.
- **IMFD** - Development of a web application prototype for systematic text analysis using NLP techniques.
- **National Seismological Center** - Improvement of earthquake detection algorithm using earth surface displacement data. Adaptation of C routine that executes the W-phase inversion algorithm.
- **Universidad de Chile** - Analysis of galaxy PIC-simulations to study ion-cyclotron instability in a growing magnetic field.

EDUCATION

Universidad de Chile

Santiago, Chile

Computer Engineer

April 2023

- 6.5/7.0 GPA

Physics Undergrad

July 2020

Astronomy Undergrad

December 2019

HONORS, SKILLS & INTERESTS

- **Honors:** Andrés Bello Scholarship for academic excellence (2016, ~30.000 USD).
- **Certifications:** Linux Essentials (2024), Certified Entry-Level Python Programmer (2024).
- **Skills:** Proficiency in Python scripting and automation, Linux system management, containerization with Docker and Kubernetes, deployment of open-source platforms, experience with cloud engines, and programming of web applications. Native Spanish, professional English, basic German.
- **Interests:** politics, open-source, self-hosting, trading, gaming, swimming.