

David Ibáñez

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23 years old student of Engineering in Computer Science at University of Chile, and self-taught developer, is looking for an internship starting in January. Zealous about software engineering from an early age, currently interested in software development, static analysis, proof assistants and education.

Education

Engineering in Computer Science Mar 2020 - Present
Faculty of Physical and Mathematical Sciences, University of Chile Santiago, Chile

Professional Experience

 **Software Developer** Feb 2023 - Present
t14 Consulting Remote work

- Design and implementation of custom made software, primarily in Java.
- FACT:** Design and implementation of batched requests for high throughput in Apache Camel.
- Levers NetChange:** Optimization of Snowflake requests, analyze and transform SQL queries to minimize DB requests.

Java Apache Camel Apache Kafka Snowflake AWS Spring Gradle

 **Supervized Project** Ago 2024 - Dec 2024
University of Chile Santiago, Chile

- Design of abstractions for including gradual typing techniques into static analyses with abstract interpretation.
- Helping into the design, and implementation, of analyses on top of the developed abstractions.
- Code done in Scala using the framework Sturdy
- Working under the supervision of Matías Toro and Éric Tanter.

Scala Static Analysis

 **Teaching Assistant** Mar 2024 - Dec 2024
University of Chile Santiago, Chile

- CC4101 Programming Languages:** Grading evaluations.

 **Teaching Assistant** Jul 2022 - Dec 2022
University of Chile Santiago, Chile

- CC4005 Competitive Programming:** Giving lessons, grading, and designing evaluations

C/C++ GDB

 **Full-Stack Intern** Summer 2019
Simple Data Corp. Santiago, Chile

- Design and implementation of new features to existing dynamic forms module.
- Technologies:** PHP, CodeIgniter 3, JQuery, RabbitMQ, Postman, Linux tools.

Projects & Associations

Treasurer & IT Manager 2023
Student Council of the Department of Computer Science (CaDCC) Santiago, Chile

- Managing the organization funds and public funds provided by the department.
- Managing CaDCC's own server and its services.

Achievements

2024	Best Application , Verifiable Randomness Hackathon by Laboratory of Applied Cryptography and Cybersecurity (CLCERT)	Santiago, Chile
2022	Place 21/105 , International Collegiate Programming Contest South America/South Finals	Coquimbo, Chile
2021	Place 30/63 , International Collegiate Programming Contest South America/South Finals	Valparaíso, Chile
2019	Place 11/153 , Chilean Olympiads of Informatics (OCI)	Santiago, Chile

Skills

Languages	English Spanish
Programming	Java, Groovy, Scala C/C++ OCaml, F#, F* Python
Frameworks	Spring Django Apache Camel Sturdy
Miscellaneous	Linux power user Formal Language Semantics Static Analysis Typst Coq Git
Personal Interests	Reading Videogames Anime Programming Languages