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

Archievements

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