

Denis Vera Iriyari

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About

Computer engineering student.

Experience in algorithm optimization, app/web development. Research interests:

- Software development / Problem solving / Big data

Higher Education

Universitat Politècnica de Catalunya Expected 2026 *BEng Computer Engineering*,

- Coursework: Advanced Programming, Operations Research, Systems Programming, Data Structures...

Professional Experience

GTD Science, Infrastructures & Robotics (GTD SI&R), July 2025 – Present *Hybrid Eclipse Java Developer Intern*

- Designing and implementing new features for CS-Studio desktop and web applications within the ITER CODAC Core System (CCS).
- Developing Eclipse IDE plugins and Java components managed with Maven; debugging performance and concurrency issues.
- Writing automated tests and test procedures to validate functionality and reliability of control/supervisory services.
- Maintaining high-quality technical documentation for features, APIs, and deployment workflows.
- Using Git/SVN for source control and collaborating through code reviews and merge requests.
- Working in Linux environments; creating utility scripts and leveraging Python for tooling and data handling.
- Assisting with CI/CD pipelines (GitLab/Jenkins) and issue tracking to streamline builds and

releases.

- Interfacing with PostgreSQL/Hibernate and applying code quality checks (e.g., SonarQube) where applicable.

- Contributing to team knowledge sharing through demos, notes, and peer sessions to disseminate methods and best practices.

Dynamic Express Courier, May 2022 - September 2022 *Warehouse associate*

- Handling and organizing inventory to ensure efficient warehouse operations.

- Assisting in stock management, order picking, and packaging for shipments.

Self-employed, Freelance, intermittent *Private tutor*

- Provided tutoring services in Mathematics, Physics, Programming & English on an intermittent basis.

- Assisted students in improving their understanding and academic performance.

- Adapted teaching methods to individual learning styles and needs.

Skills & Miscellaneous

Programming Languages: Main languages: Java, C++, Python, JavaScript, HTML, CSS.

Frontend Frameworks: React (level: Intermediate)

Languages: Fluent in Spanish, Catalan & English. Good understanding in Turkish. Beginner in French/Norwegian.

Personal Interests: Climbing (sports in general), drumming, video games.