

# BERNAT BORRÀS CIVIL

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## EDUCATION

- U. POLITÈCNICA DE CATALUNYA** | *Master's degree in informatics*    Sep 2024 – Jun 2026  
•Grade: 8.81 out of 10 (as of 1st September 2025)
- U. POLITÈCNICA DE CATALUNYA** | *Bachelor's degree in informatics*    Sep 2020 – Jun 2024  
•Specialization in computing  
•Grade: 8.26 out of 10  
•Bachelor thesis: MH (10 out of 10)
- AALTO UNIVERSITY** | *Exchange studies (Computer Science)*    Aug 2023 – Dec 2023  
•Grade: 4.8 out of 5

## EXPERIENCE

- BUILD38**    Barcelona, Spain  
**Software Engineer Junior**    Oct 2024 – Present
- Led the development of many security improvements over a cybersecurity SDK using C and C++.
  - Developed a Retrieval-Augmented Generation AI system using the company's codebase documentation to power semantic search and developer assistance.
  - Engineered and maintained wrappers for Android & iOS using Swift, Java, and Ionic, ensuring cross-platform compatibility.
  - Set up and maintained CI/CD pipelines for the SDK using Jenkins, automating build, test, and deployment processes.
  - Mentored new interns, providing guidance on code standards and development practices.
- Solutions Engineer Intern**    Feb 2024 – Sep 2024
- Integrated cybersecurity SDK into customer applications on Android & iOS platforms.
  - Developed proof-of-concept applications using Kotlin, Swift, React Native, and Flutter.
  - Created security tools, including a code obfuscator, to protect client applications.

## SKILLS

**Technical** C, C++, Java, Kotlin, Swift, Python, Unity  
**Language** Catalan (native), Spanish (native), English (fluent), French (intermediate)  
**Interests** Hackathons, Coding contests, OpenSource contributions

## PUBLICATIONS

1. Borràs, B., Muñoz-Pandiella, I., & Andújar, C. (2025). Bidirectional exploration of 3D cultural heritage models and photo collections.  
<https://diglib.eg.org/items/8b6f19a5-564f-4715-b582-62f3b92bd58c>

## PROJECTS

### OPENSOURCE CONTRIBUTIONS

Maintainer at Hugo - Toha [↗](#), Contributor at FreeCAD [↗](#), Contributor at Jellyfin [↗](#), Contributor at SourceGit [↗](#)

### HACKATHONS AND CONTESTS

Junction 2023 [↗](#), Nordic Collegiate Programming Contest 2023 [↗](#), The Royal Hackaway v6 [↗](#), Google Code Jam 2021 [↗](#), Google Hash Code 2021 [↗](#), Google Hash Code 2022 [↗](#), HackUPC 2021 [↗](#), HackUPC 2024 [↗](#)