

# BERNAT BORRÀS CIVIL

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## EDUCATION

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

## EXPERIENCE

<b>BUILD38</b> Software Engineer Junior	Barcelona, Spain 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.	
<b>Solutions Engineer Intern</b>	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

Mantainer 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 