

# Nicolas Mazzon

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## Education

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- **Nanyang Technological University** Aug 2024 - Jan 2025  
*Minor in Risk Analytics*
- **University of Amsterdam** Sept 2022 - Present  
*B.A. Computer Science*
- **Laude San pedro** Sept 2019 - July 2022  
*Highschool*  
*Information Technology A/ Mathematics A/ Business Studies A\**

## Professional Experience

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- **CADID AS** July 2022 - Sept 2022  
*Internship*  
*Migrated internal systems from relying entirely on excel to traditional relational databases.*  
*Reduced total server operational costs by 60%.*

## Projects

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- **Reverse engineering tool** - Engineered a versatile disassembler and analysis tool named BiTE, designed to support multiple architectures, streamlining the reversing process and enhancing code analysis capabilities.
- **Card Trading Platform** - Developed for the Web Technologies course at the University of Amsterdam. Won #1 place for best architecture & design. This platform provided an engaging way for users to trade digital cards.
- **2D Pixel Art Engine** - Utilized a Vulkan-based pixel art engine to enhance the visual quality of 2D pixel art sprites in a game environment, focusing on upscaling techniques to improve resolution without losing the pixel art aesthetic.

## Skills and Ability

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- Fuzzing complex binaries and embedded platforms
- Malware analysis
- Exploit development with an emphasis on security
- Linux/Unix platform devops
- Primarily Rust but also C/C++, Python and a variety of other scripting languages

## Languages

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Dutch: native, English: fluent, Spanish: reading/writing knowledge.