

# Simone Ragusa



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CONTACT	Email: <a href="mailto:simone@interrato.dev">simone@interrato.dev</a> Website: <a href="https://interrato.dev">https://interrato.dev</a> Bluesky: <a href="https://bsky.app/profile/interrato.dev">@interrato.dev</a>
INTERESTS	Applied cryptography, high-assurance cryptography, web security, online privacy, software reproducibility.
EDUCATION	<b>University of Padua</b> , Padua, Italy  Master's degree in Cybersecurity, September 2025 <span style="float: right;">110 cum laude</span> <ul style="list-style-type: none"><li>“Fuzzy Searchable Symmetric Encryption: Design and Implementation of a Novel Scheme Toward Real-World Applications”</li><li>Thesis supervisor: Nicola Laurenti</li></ul> Bachelor's degree in Computer Engineering, March 2022 <span style="float: right;">101 out of 110</span> <ul style="list-style-type: none"><li>Courses in Computer Architecture, Software Engineering, Telecommunications, and Electronics</li></ul>
PROFESSIONAL EXPERIENCE	<b>TEXA S.p.A.</b> , <a href="https://www.texa.it">https://www.texa.it</a> <i>Cybersecurity Engineer</i> <span style="float: right;"><b>June 2022 – August 2023</b></span> Drafted operating procedures providing guidelines for secure software development. Performed vulnerability assessments and penetration testing on several web applications. Developed a background service to automate file signing and exchange via SFTP over the ENX network. Designed the new internal cryptographic key inventory to promote careful scoping and effective key rotation.
TEACHING	<b>Information Security</b> , University of Padua <i>Teaching Assistant</i> <span style="float: right;"><b>2026 – Present</b></span> Designed hands-on laboratory projects including the implementation of symmetric encryption primitives and padding-oracle attacks, hash functions, message authentication codes and timing side-channel attacks, and digital signatures. Graded student submissions.
OTHER ACTIVITIES	<b>Research</b>  <i>Searchable Symmetric Encryption</i> <span style="float: right;"><b>November 2025 – Present</b></span> <ul style="list-style-type: none"><li>Research grant by University of Padua</li></ul>
CERTIFICATIONS	<b>Cryptography I</b> , Coursera <a href="https://coursera.org/verify/P8LLQSUHS6GJ">https://coursera.org/verify/P8LLQSUHS6GJ</a> <span style="float: right;"><b>April 2021</b></span>
PROGRAMMING LANGUAGES	<b>Strong:</b> Go, Python, Bash <b>Intermediate:</b> C, C++, Nix, JavaScript <b>Basic:</b> Lua, PHP, Java, Kotlin, Rust