

Frederico Ramos

Curriculum Vitae

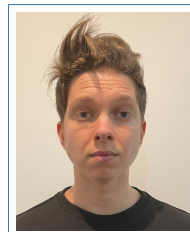
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Education

- 2022-present **PhD in Computer Science and Engineering**, *Instituto Superior Técnico*, Lisbon, Portugal
- 2019–2021 **M.Sc. in Information Systems and Computer Engineering**, *Instituto Superior Técnico*
- Thesis* Toward Tool-Independent Summaries for Symbolic Execution (Grade: 19/20)
- Supervisors* Prof. Pedro Adão and Prof. José Fragoso
- 2015–2019 **B.Sc. in Information Systems and Computer Engineering**, *Instituto Superior Técnico*

Professional Experience

- Summer 2024 **Software Engineering Intern**, Coana Tech, Aarhus, Denmark
- Backend Developer working on Software Compositional Analysis (SCA)
- 2022–2024 **Teaching Assistant**, Instituto Superior Técnico, DEI
- Courses: Forensics Cyber-Security, Operating Systems, Distributed Systems and Analysis and Synthesis of Algorithms
- 2021–2022 **Research Assistant**, Project INFOCOS *PTDC/CCI-COM/32378/2017 INESC-ID*

Publications

- 2024 **ESOP'26**, CORE A, *Specification-Driven Generation of Summaries for Symbolic Execution*
- 2023 **ECOOP'23**, CORE A, *Toward Tool-Independent Summaries for Symbolic Execution*
- 2023 **ISSTA'23**, CORE A, *MetaData262: Automatic Test Suite Selection for Partial JavaScript Implementations*
- 2023 **ISSTA'23**, Poster: *Specification-Driven Synthesis of Summaries for Symbolic Execution*
- 2022 **KLEE'22**, Poster at the 3rd International KLEE Workshop on Symbolic Execution
- Empirical Study on Applying Program Analysis and Testing Tools to Student Code*

Invited Talks

- 2023 **Amazon**, Invited Talk at Amazon's London office hosted by Daniel Schoepe
- Automatic Test Suite Selection for Partial JavaScript Implementations*
- 2022 **Meta**, Invited Talk at Meta's London office hosted by Jules Villard
- Toward Tool-Independent Summaries for Symbolic Execution*

Extra Activities

- 2023 **MOD23**, Summer School Marktoberdorf 2023
- 2023 **Student Volunteer**, ECOOP'23 & ISSTA'23 Seattle
- 2022 **Student Volunteer**, ECOOP'22 Berlin

Awards & Honors

- 2023 **Excellence Award for Outstanding Teachers**, Instituto Superior Técnico
- (Academic year 2022/2023)
- 2022 **Academic Merit Diploma**, Instituto Superior Técnico
- (Academic year 2020/2021)

Technical Skills

Programming C, C++, C#, Ocaml, Java, TypeScript, JavaScript, Python