TIAGO FERREIRA

Department of Computer Science, 66-72 Gower Street, London, WC1E 6BT, United Kingdom

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EDUCATION

University College London, London　　　　　　　　　September 2023 - June 2027
PhD in Computer Science

Cornell, Maryland, Max Plank, Saarbrucken　　　　　　　　　August 2022
Pre-Doctoral Research Summer School

University College London, London　　　　　　　　　September 2020 - June 2023
BSc (Hons) in Mathematical Computation

STUDENTS

Raquel Silva　　　　　　　　　Summer 2023
MEng Computer Science

ACADEMIC PUBLICATIONS

Tiago Ferreira, Léo Henry, Raquel Fernandes da Silva, and Alexandra Silva. 2023. Conflict-Aware Active Automata Learning. In GandALF 2023.

Tiago Ferreira, Gerco van Heerdt, and Alexandra Silva. Tree-Based Adaptive Model Learning. In: A Journey from Process Algebra via Timed Automata to Model Learning.

Tiago Ferreira, Harrison Brewton, Loris D'Antoni, and Alexandra Silva. PROGNOSIS: Closed-Box Analysis of Network Protocol Implementations. SIGCOMM 2021.

Loris D'Antoni, Tiago Ferreira, Matteo Sammartino, and Alexandra Silva. Symbolic Register Automata. Computer Aided Verification, 2019. SpringerInternational Publishing.

ACADEMIC SERVICE

HotNets 2024　　　　　　　　　September 2024
External Reviewer

LearnAut 2024　　　　　　　　　April 2024
Program Committee Member

VAANDRAGER 60　　　　　　　　　July 2022
Program Committee Member

CAV 2021　　　　　　　　　July 2021
Virtualization Committee Chair

WORK EXPERIENCE

Galois, Portland, OR, USA　　　　　　　　　July 2023 - September 2023
Research Intern

Worked on DARPA-funded projects relating to formal verification of network stack implementations.

Cornell University, Ithaca, NY, USA　　　　　　　　　August 2022 - Present
Visiting Researcher

Visited Prof. Alexandra Silva and her team at Cornell University, working on theoretical improvements to automata theory and automata learning algorithms aimed at fulfilling needs from real-world applications.

UCL CS PPLV, London, UK   July 2020 - September 2023

Research Assistant

Worked in Prof. Alexandra Silva's Lab on a new modular framework for model learning of network protocols, and automatically detecting complex bugs in black-box protocol implementations.

Metomic, London   July 2019 - June 2020

Software Engineer

Lead of Ops & Infrastructure in the founding team, responsible for global AWS infrastructure and management of multi-node Kubernetes clusters. Also a part of the back-end team, mostly working with JavaScript and NodeJS.

WCS, Remote   December 2018 - June 2019

DevOps Engineer

Lead the internal infrastructure transformation to cloud-native development. Responsible for the internal deployment and automation of pre-release software.

UCL CS PPLV, London   June 2017 - October 2018

Researcher (Associate Staff)

Worked on the research, development and coauthoring of a novel Automata model, Symbolic Register Automata.