

# TIAGO FERREIRA

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## EDUCATION

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<b>Cornell, Maryland, Max Plank, Saarbrucken</b> Pre-Doctoral Research Summer School	August 2022
<b>University College London, London</b> BSc (Hons) in Mathematical Computation Studies	September 2020 - June 2023
<b>St Peter's Sixth Form College, Guildford</b> A-Level in Computer Science, Mathematics, and Further Mathematics	September 2017 - June 2019 A*, A*, A
<b>St Peter's Secondary School, Guildford</b> GCSE in Computer Science, Mathematics, and others.	September 2015 - June 2017

## ACADEMIC PUBLICATIONS

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Tiago Ferreira, Gerco van Heerdt, and Alexandra Silva. Tree-Based Adaptive Model Learning. Accepted preprint, to be published in October 2022.

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.

## WORK EXPERIENCE

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**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 - Present  
*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.

## **ACADEMIC SERVICE**

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**CAV 2021, Remote**

July 2021

*Virtualization Committee Chair*