

André L. Santos

Brief Computing Education CV

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This document presents a brief overview of my involvement in the field of Computing Education (it is not an exhaustive CV), addressing scientific reviewing, conference organization, and publications.

Programming Education is the subfield in which I carry out my research efforts. Most of my scientific activity in the community has been centered on the conferences ACM Conference on Innovation and Technology in Computer Science Education and Koli Calling International Conference on Computing Education Research.

Program Committees

The following are the Computing Education conferences on which I served as a Program Committee member.

[ITICSE](#) (2017, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026)

[Koli Calling](#) (2016, 2017, 2018, 2020, 2021, 2022, 2023, 2025)

[SPLASH-E](#) (2024, 2025)

[ICPEC](#) (2023, 2025, 2025)

Conference Organization

The following are conferences for which I assumed organizational roles.

[ICPEC 2024](#) (General Chair)

[<Programming> 2022](#) (Posters and Demonstrations Chair)

[<Programming> 2020 \(online\)](#) (Demonstrations Chair)

Publications

The following is a subset of publications I (co-)authored on Computing Education.

[Integrating Questions About Learners' Code in an Automated Assessment System.](#)

Afonso B. Caniço, André L. Santos
ICPEC 2025

[A Domain-Specific Language for Dynamic White-Box Evaluation of Java Assignments.](#)

Afonso B. Caniço, André L. Santos
ICPEC 2024

[Educational Program Visualizations Using Synthetized Execution Information.](#)

Rodrigo Mourato, André L. Santos
ICPEC 2024

[Jinter: A Hint Generation System for Java Exercises.](#)

Jorge A. Gonçalves, André L. Santos
ITiCSE 2023

[Witter: A Library for White-Box Testing of Introductory Programming Algorithms.](#)

Afonso B. Caniço, André L. Santos
SPLASH-E 2023

[Sprinter: A Didactic Linter for Structured Programming.](#)

Francisco Alfredo, André L. Santos, Nuno Garrido
ICPEC 2022

[Jask: Generation of Questions About Learners' Code in Java.](#)

André L. Santos, Tiago Soares, Nuno Garrido, Teemu Lehtinen
ITiCSE 2022

[A Curated Inventory of Programming Language Misconceptions.](#)

Luca Chiodini, Igor Moreno Santos, Andrea Gallidabino, Anya Tafliovich, André L. Santos, Matthias Hauswirth
ITiCSE 2021

[Let's Ask Students About Their Programs, Automatically.](#)

Teemu Lehtinen, André L. Santos, Juha Sorva
ICPC 2021

[Javardise: a structured code editor for programming pedagogy in Java.](#)

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Programming 2020

[Enhancing Visualizations in Pedagogical Debuggers by Leveraging on Code Analysis.](#)

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Koli Calling 2018

[An exploratory study of how programming instructors illustrate variables and control flow.](#)

André L. Santos, Hugo S. Sousa

Koli Calling 2017

[PandionJ: a pedagogical debugger featuring illustrations of variable tracing and look-ahead.](#)

André L. Santos, Hugo S. Sousa

Koli Calling 2017

[Collaborative course project for practicing component-based software engineering.](#)

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Koli Calling 2015

[Novel interaction metaphors for object-oriented programming concepts.](#)

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Koli Calling 2014

[An open-ended environment for teaching Java in context.](#)

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ITiCSE 2012

[Developing contexts for teaching Java using AGUIA/J.](#)

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ITiCSE 2012

[AGUIA/J: a tool for interactive experimentation of objects.](#)

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ITiCSE 2011