

Jonas Costa

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EDUCATION

Macalester College, St. Paul, MN Bachelor of Arts expected May 2023
Majors: Mathematics and Computer Science *GPA:* 3.98/4.0
Honors: Recipient of the Kofi Annan International Scholarship, Turck Presidential Honor Scholarship, Davis Scholarship
Relevant Coursework: Computational Linear Algebra, Real Analysis, Combinatorics, Introduction to Database Management Systems, Algorithm Design and Analysis

SKILLS

Mathematical Software:

- Proficient in R and Mathematica.

Programming:

- Proficient in Python, Java, and Android Studio; working knowledge of C, SQL, Flutter, HTML and JavaScript.

Languages:

- Fluent in Portuguese; intermediate Spanish.

RELATED EXPERIENCE

Macalester College, St. Paul, MN May 2021 – July 2021
Research Assistant – Blockly

- Adapted Blockly, a library for building block-based programs, to be accessible for people who use screen readers.
- Developed a user study composed of 15 sequential tasks, utilizing nursery rhymes created with the adapted version of Blockly to teach programming to children with vision impairments.

Macalester College, St. Paul, MN January 2020 – March 2020
Teaching Assistant

- Effectively assisted the professor in explaining concepts about object-oriented programming and abstraction to 16 students during class time, three times a week.
- Led weekly office hours for answering questions and homework help.

LEADERSHIP

Macalester College, St. Paul, MN August 2021 – Present
Portuguese Language House Program Assistant

- Facilitate weekly conversations in Portuguese with the 3 house residents, strengthening their verbal communication skills.
- Organize and host campus-wide semestral events showcasing the culture and history of lusophone countries.

Mentoriza, Remote May 2020 – November 2021
Mathematics Mentor

- Mentored three Brazilian high-school students on mathematics in one-on-one meetings, preparing them for ENEM, the entrance exam for Brazilian universities.
- Explained geometric, algebraic, and arithmetic ideas while solving questions from previous exams with the mentee.