

Jonas Costa

Saint Paul, MN • jonascosta72@gmail.com • (651) 468 – 5563 • linkedin.com/in/jonascosta

EDUCATION

Macalester College, St. Paul, MN

Bachelor's degree expected May 2023

Majors: Computer Science and Mathematics.

GPA: 3.99/4.00

Relevant Coursework: Data Structures, Software Design and Development, Algorithm Design and Analysis, Computer Systems Organization, Database Management Systems, Computer Security and Privacy, Interactive Computer Graphics, Software Testing.

SKILLS

Technical: Proficient in Python, Java, HTML, JavaScript, CSS, and Git. Working knowledge of MongoDB, SQL, Flutter, Dart, React, EJS, Bootstrap, Node.js, MongoDB, R, C, and C#.

Languages: Fluent in English and Portuguese. Intermediate in Spanish.

EXPERIENCE

Macalester College, St. Paul, MN

August 2022 – Present

Teaching Assistant

- Conduct weekly office hours for up to 50 students to answer questions about assignments, help test and debug code written in Java, and clarify concepts about object-oriented programming and abstraction.
- Deliver timely and thorough feedback on homework for 10 students a week, ensuring that their code is correct, efficient, and well-written and diagnosing areas for improvement.

YourPath Health, St. Paul, MN

May 2022 – July 2022

Full Stack Software Development Intern

- Assembled a searchable map storing data about 450 support programs for people with substance issues, using Google Maps API, Node.js, and MongoDB, which decreased phone wait time for patients by 75%.
- Engineered such map into a responsive web application, from concept through deployment, including the selection of appropriate filters, logic sequence, and implementation of an engaging user interface.
- Collaborated with 4 other developers in an Agile environment to design and develop the company's patient-facing app, discussing database choice, data modeling, and compliance with privacy laws.

Macalester College, St. Paul, MN

May 2021 – July 2021

Research Assistant – Blockly

- Investigated current accessibility challenges present in different technologies used by children by examining over 20 academic articles under the guidance of Dr. Lauren Milne.
- Built an optimized version of Blockly, Google's library for building block-based visual programming editors, fixing more than 50 bugs that prevented its use by people who use screen readers.
- Devised a user study of 15 tasks using HTML, CSS, and JavaScript to teach programming to children with vision impairments through nursery rhymes recreated with Blockly.

LEADERSHIP AND VOLUNTEER

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 speaking and listening competencies in addition to creating a positive and clean home environment.
- Organize and host 3 campus-wide semestral events showcasing the culture and history of Lusophone countries through games, conversations, music, and food.

UWC Brazil, Remote

August 2019 – Present

Admissions Process Volunteer

- Assess the applications of over 200 Brazilian high-school students each year, analyzing their skills, commitment, and alignment with the mission and values of the United World Colleges.
- Conduct 20 interviews during one weekend per year to better understand the candidates' personal history, interests, dreams, and capability to continue in the selection process.