Jonas Costa

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EDUCATION

Macalester College   **Saint Paul, MN**
Bachelor of Arts in Computer Science and Mathematics   *May 2023*
Dean's List Fall 2019, Fall 2021, Spring 2022, Fall 2022, Spring 2023   GPA: 3.99

SKILLS

Technical Skills: Proficient in C#, .NET, Angular, Typescript, CSS, HTML, JavaScript, SQL. Working knowledge of Azure, React, Python, Java, MongoDB, EJS, Bootstrap, and Node.js.

Language: Fluent in Portuguese; Conversational proficiency in Spanish.

RELEVANT EXPERIENCE

St. Croix Boat & Packet   **Stillwater, MN**
Associate Developer   *October 2023 – Present*
- Convert 23 legacy stored procedures from SQL to Entity Framework functions, improving code reusability and maintenance while preserving functionality and correctness.
- Optimize front-end sales tax calculation, detecting and removing a 0.11% overcharge on appointment items, as well as applying the correct taxes for each situation, using Typescript.
- Refactor over 15 bugs concerning formatting using CSS and Angular, providing the client with a precise and friendly user interface that satisfies their needs.

Solutia Consulting   **Stillwater, MN**
Associate Developer   *June 2023 – Present*
- Developed a comprehensive suite of 100 unit tests designed with the NUnit framework to assess and validate the functionality of controller functions, allowing early error diagnosis.
- Created a proof-of-concept application leveraging Azure and Microsoft Graph to allow seamless user authentication and email transmission for enhanced user experience and streamlined communication.
- Completed a comprehensive 2-month hands-on training program, utilizing C#, Angular, Entity Framework, and .NET core, to successfully implement an employee time-tracking application

YourPath Health   **Saint Paul, MN**
Full Stack Software Development Intern   *May 2022 – July 2022*
- 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 using React, EJS and Bootstrap, from concept through deployment, including the selection of filters, logic sequence, and implementation of an engaging user interface.
- Collaborated with 4 developers in an Agile environment to develop the company's patient-facing app, discussing database choice and compliance with privacy laws, in addition to integrating it with the cloud using AWS.

Macalester College   **Saint Paul, MN**
Research Assistant – Blockly   *May 2021 – July 2021*
- 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.

CERTIFICATIONS

Microsoft
- Microsoft Certified: Azure Fundamentals   November 2023