DANIEL MOTT

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EDUCATION

FRANKLIN UNIVERSITY   Columbus, OH
Bachelor of Computer Science   2018 – 2021
Major in Computer Science
Cumulative GPA: 3.96/4.0; Summa Cum Laude; President's List 7 semesters; Dean's List 1 semester
Relevant Coursework: Data Structures, Object-Oriented Design, Operating Systems, Algorithms, Software Engineering

WORK EXPERIENCE

BORSO ROOFING   Remote; Columbus, OH
Freelance Full Stack Software Developer   2023 – Present
- Built a WordPress site with a custom theme and plugin using Typescript, React, and PHP, starting their online presence.
- Manage and maintain WordPress site, ensuring optimal performance and security.

CALLIBRITY (software consultancy with middle-market & enterprise clients)   Remote; Cincinnati, OH
Full Stack Software Developer Associate   2022
- Migrated legacy job lead processing and integration with a new CRM platform, increasing performance and maintainability.
- Designed and built an admin dashboard, increasing efficiency of administrative tasks and handling of support tickets.
- Increased efficiency and accuracy of an email scraper and improved email type identification.
- Built a cross-site and responsive navigation bar and menu system based on UI mockups.
- Continuously maintained and reviewed code and infrastructure for bugs, security concerns, and general improvements.
- Resolved help-desk tickets, and turned client requests into actionable user stories.

UNIVERSITY PROJECTS

SURVEY CREATION AND COLLECTION WEBSITE   Mar 2021
- Designed and implemented a survey creation and collection website using React and ASP.Net Core with survey options including multiple choice and text responses, access control, time limits, anonymous responses, limited submissions.
- Included a user dashboard to manage surveys and view responses.
- Extended to include an administration dashboard to manage all surveys and user accounts.

WEB ASSEMBLY INTERPRETER   Mar 2020
- Designed and implemented a bytecode interpreter in C for a simplified WebAssembly specification.
- Developed a code generation step to transform a syntax tree into either equivalent Java code or WebAssembly bytecode.
- Extended interpreter to support multi-threaded execution with three available schedulers: Coop, Preemptive, Priority.

4-WAY INTERSECTION TRAFFIC SIMULATOR IN ASSEMBLY   Sept 2019
- Designed and implemented a 4-way traffic intersection simulation in assembly using an online simulator, Little Man Computer.
- Optimized code instructions and memory usage to fit in just under 100 bytes by overwriting initialization instructions that are no longer necessary after startup with runtime data.

ACTIVITIES

BUSINESS PROFESSIONALS OF AMERICA   Columbus, OH
Member through Eastland Career Center   2016 – 2018
- Regional Competitions: 1st place in SQL, 2nd place in C#, and 2nd place in Java programming.
- State Competitions: Top 10 in C# programming.

ADDITIONAL

Technical Skills: Advanced in C# .NET, Rust, Typescript, Javascript, HTML/CSS, React, Svelte, Java