**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