TIMOTHY TREVATHAN

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Software designer with a passion for transforming intricate concepts into user-focused technological experiences

EDUCATION

Bachelor of Science in Computer Science University of Houston: GPA 3.7   **Anticipated Graduation: May 2024**

- Relevant Courses: Data Structures, Algorithms, Automata, Database Systems, Computer Architecture, Number Theory, Discrete Math

WORK EXPERIENCE

Full Stack Developer | The Wurth Group   **Jan 2023 – Present**

- Leveraged Agile methodologies to continuously deliver software features for Wurth's industrial supply e-commerce website and internal administrative applications to suit customer and business needs, including but not limited to the following.
    - o Tweaked interaction with an external tax API to calculate by line item to match other applications and retain data integrity
    - o Captured mobile numbers and implimented SMS messaging for first-time login identity verification and password reset
    - o Integrated two distinct add-to-cart widgets, eliminating redundant behaviour and consolidating future feature changes
- Used company tools to monitor and address issues with queues, recurring jobs, API calls and employee-software interactions
    - o Monitored application performance with Azure's Application Insights to ensure proper and efficient functioning software.
    - o Resolved order blocks, API errors, and recurring job errors in multiple environments using Hangfire, RabbitMQ, and AppInsights

C# Developer | Cosine Additive   **March 2022 – Jan 2023**

- Optimized and analyzed various aspects of Cosine's 3-D printers to improve customer experience and reduce printer errors
    - o Improved their 3-D printer laser bed mapping procedure to run 5 times faster, drastically reducing costumer setup time
    - o Created Jenkins pipeline to automate print testing which lead to solving a longstanding customer printing error
- Developed features for the company's inventory system to mitigate inventory errors and ease day-to-day employee processes
    - o Added warning messaging to inventory software to prevent employees from making erroneous inventory adjustments
    - o Designed a detailed and color-coded error report form to reduce time spent on fixing data entry mistakes for 3-D printer BOMs

PROJECTS

Full Stack Music Database Application | Team Project   **March 2023**

- Guided and learned from teammates through designing and developing an online music database application where users can login, browse music, like songs, read reports tailored to specific user rolls, and receive notifications when their favorite artists add songs
- Implimented the MVC design pattern to separate and manage the front end interface, the back end logic, and the database layer
- Coordinated with team through AzureDevops Kanban board to divide responsibility and review each other's work

Personal Website | Self Project   **Dec 2022**

- Setup a website to showcase the work I have completed outside of my occupational experience and provide info about myself
- Practiced web development languages such as CSS, SCSS, Javascript, and HTML to create aesthetic and interactive pages

Top-Down Shooter Level | Self Project   **Aug 2021**

- Utilized Unity and C# to create a minimum viable product for a top down shooter with music, sound effects, and a dynamic boss battle
- Honed skills in project planning and familiarized self with programming concepts such as classes, co-routines, and UI user interfaces

ORGANIZATIONS

Member | Company Coding Dojo   **Jan 2023 – Present**

- Engaged in workshops designed to reinforce TDD practices, refresh on SOLID Principles, and implement design patterns

Member | Company Coding Book Club   **Jan 2023 – Present**

- Discussed code smells and best practices with coworkers and would implement principles laid out in the book reading

Member | CougarCS   **Jan 2022 – Dec 2023**

- Participated in career-building workshops, computer science seminars, and at the largest computer science organization at UH

Member | CodeCoogs   **Jan 2022 – Dec 2023**

- Collaborated with two teammates to solve a series of programming problems in a competitive coding event

SKILLS

Programming Languages: **Proficient-** C#, C++, Javascript, TypeScript, SQL   **Familiar-** Python, Java, HTML, CSS, SCSS

Frameworks/Libraries: .NET Framework, Angular, Vue, Blazor, Razor, Node.js

Database Management: Azure Data Studio, SSMS, MySQL

Additional: Visual Studio, AzureDevops, AppInsights, Jenkins, Git, NuGet, Scrum, Kanban, RabbitMQ, Hangfire, Tortoise SVN, TDD