TREVOR GAU | Software Engineer

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Work History

Self-Employed   **Jan 2023 – Present**
Eye on the Clock (https://eyeontheclock.com)
- Eye on the Clock is an innovative technology for the sport of curling, currently in development.
- Implements a competitive game timing system without the need for a dedicated timer operator.
- Three main components: a web application, ESP32-based hardware modules, and real-time object recognition using AI.
- Short demo: https://eyeontheclock.com/techdemo

GitHub   **Sep. 2019 – May 2021**
Senior Software Engineer, UI Engineering Team
- Created the Primer Behaviors library to complement Primar React, a mostly-headless UI library.
- Designed and documented a standard for the end-to-end development of Primer Components.
- Evaluate performance of various UI rendering techniques.
- Jump-started the feature currently known as GitHub Projects.

Microsoft   **May 2021 – Jan 2023, Jan. 2013 – Sep. 2019**
Senior Software Engineer, Azure Machine Learning
- Worked on the React-based frontend of Azure Machine Learning
- Learned much about ML and the data science pipeline

Senior Software Engineer, Web Platform Team, Azure DevOps
- Built React components for Azure DevOps UI, a UI library used by Azure DevOps UI and Azure DevOps extension authors.
- Worked on UI features of Azure DevOps, such as global navigation, version control features, and theming.
- Created responsive pages for certain workflows in Azure DevOps.
- Implemented key telemetry metrics to help teams keep page loads to 1 second or less.
- Participated on the "Red Team," a white-hat attempt at discovering and exploiting security vulnerabilities in the product.
- Owned the infrastructure for localization and internationalization of all web UI.
- Mentored junior engineers, participated in interviewing and recruiting.
- Advocated our product by giving talks at events, including Azure DevOps Day in Raleigh.

Software Development Engineer in Test, OpenALM Team, Visual Studio Team Services   **Jan. 2013 – Oct. 2014**
- Conceived, advocated, and implemented a tool for generating boilerplate code, speeding up the process of writing automated tests for Azure Portal extensions by over 100%.
- Collaborated to build a framework for running end-to-end automated tests for Azure Portal extensions.
- Built a web application to manage test VMs, allowing easy creation, configuration, monitoring, and deletion.
- Maintained the Web Automation Framework, tool that runs automated end-to-end tests on various browsers.

Volunteering, Other Activities
- President, Board Member, and IT Chair, Triangle Curling Club of NC   **May 2019 – Present**
- Skip, Team Gau, a nationally-competitive men's curling team   **Sep. 2018 – Present**
- Teacher, Intro to Computer Science, Warren County High School (TEALS Program)   **Aug. 2014 – May 2015**

SUMMARY
I love building great web applications. With expert knowledge of current web standards and years of React experience, I can ramp up quickly and contribute to any web development team.

SKILLS
‣ JavaScript (ESNext) ‣ TypeScript ‣ CSS ‣ Web performance ‣ Node ‣ Http ‣ React ‣ C#/.NET ‣ Python ‣ Ruby ‣ ARIA accessibility standards ‣ Responsiveness and mobile friendliness ‣ Cloud services ‣ DevOps ‣ Web security

Education
B.S., Computer Science (2012)
The University of Texas at Austin
Austin, Texas