

Tristan Griffin

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WORK EXPERIENCE

Senior Software Engineer I

HCLSoftware

July 2022 - June 2024

Cary, North Carolina

- Developed a web application version of a Windows application to run in the web browser using C/C++, Win32 APIs, Emscripten, WebAssembly, OpenGL, and JavaScript.
- Improved keyboard navigation of HCL Nomad for web browsers following WCAG 2.0 standards so users can navigate the web application with only the keyboard.
- Implemented and maintained functionality of various core UI web components and controls using C/C++, Windows application APIs, and Emscripten.
- Collaborated with cross-functional teams to gather requirements and translate them into functional specifications.

Software Engineer II

HCLSoftware

2020–2022

Cary, North Carolina

- Implemented localization support for HCL Nomad to be used seamlessly in multiple different languages.
- Exposed Windows application APIs for various UI web components using C/C++ and the open-source project Emscripten.
- Monitored ServiceNow customer support queue to triage new issues, gather details, provide developer insight, and provide hotfixes.
- Contributed localization fix related to standard timezone to the Emscripten open-source project.

Software Engineer I

HCLSoftware

2019–2020

Cary, North Carolina

- Developed and implemented pressing product features to meet minimal-viable-product specifications for 1.0 launch of HCL Nomad for Web.
- Implemented UI/UX team's specifications of major app feature overhaul using Java and XML for HCL Connections on Android.
- Reduced time to run Android tests by implementing a mock networking dispatcher in the testing framework.
- Led multiple sprint planning, scrum, and demo meetings on a team of 10 developers.

PROJECTS

- Personal website (<https://github.com/tgriff34/TristanWebsite>) - Written using ASP.NET Core, C#, HTML, CSS, REST APIs. Hosted using Microsoft Azure using Linux docker container and Key Vault for secrets.

TECHNOLOGIES AND LANGUAGES

- Languages: C/C++, Java, Kotlin, XML, C#
- Technologies: VS Code, Git, JIRA, Android Studio, Visual Studio 2022, HTML, CSS, SQL
- Other: Windows Application API (Win32), Emscripten, REST APIs

EDUCATION

The University of North Carolina at Charlotte

BSc, Computer Science

2014–2018

Charlotte, North Carolina