

# Tristan Griffin

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## WORK EXPERIENCE

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### 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.

## EDUCATION

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### The University of North Carolina at Charlotte

BSc, Computer Science

2014–2018

Charlotte, North Carolina

## TECHNOLOGIES AND LANGUAGES

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- Languages: C/C++, Java, Kotlin, XML
- Technologies: VS Code, Git, JIRA, Android Studio
- Other: Windows Application API (Win32), Emscripten

## INTERESTS

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- I enjoy my free time maintaining and riding my road bike and playing guitar.