

justingallagher

computer scientist & software engineer

contact

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languages

★ C++
★ C#
★ C
★ Java
Javascript
Typescript
Python

technologies

Windows SDK
Android SDK
Node.js
ASP.NET
OpenGL

applications

Git
LaTeX
Vim
Visual Studio
Linux
Windows

interests

App development
Operating Systems
Firmware development
Computer Graphics
Robotics

experience

Microsoft Corporation, Software Engineer II

2018 – now
Redmond, WA

- Implemented visual style and layout changes to Microsoft Edge's tab bar during the browser's transition to Chromium.
- Supported the rollout of 43 new display languages in Edge, as well as instrumenting and dashboarding usage data.
- Formed a team to promote better code quality and faster merges with upstream, reducing the time for critical security fixes to reach Edge.
- Led our team's collaboration with Google in the Chromium codebase, driving new features and fixes for both Chrome and Edge.
- As the telemetry expert for our team, identified and resolved gaps in our instrumentation for the tab bar and browser frame.
- Delivered a crucial servicing update for Microsoft Edge, working with program manager, writing, and legal teams to protect user privacy.

Microsoft Corporation, Software Engineer

2016 – 2018
Redmond, WA

- Implemented top user requests in Microsoft Edge's downloads interface such as "Save As" and download speed data.
- Drove the development of new APIs to control window and tab behavior in Windows, alongside partner teams in the Windows shell and web platform.
- Developed new web APIs through a Typescript browser extension.

Microsoft Corporation, Software Engineer Intern

2015 – 2015
Redmond, WA

- Designed and implemented an analytics tool which allows hierarchical search of XAML file structure using C# and SQL.

Carnegie Mellon Biorobotics Lab, Student Researcher

2013 – 2015
Pittsburgh, PA

- Led a team of 3 students in planning and implementing firmware for JumpingBot, a robot which can self-stabilize in freefall.
- Designed and programmed an Android application which allows real-time sensor data to be accessed in MATLAB and ROS.

education

Carnegie Mellon University

Bachelor of Science in Computer Science & Business Admin. Minor
GPA: 3.63/4.00 **Awards:** University Honors, 3-time Dean's List honoree

2013 – 2016
Pittsburgh, PA