

justingallagher

computer scientist & software engineer

contact

(603) 440-3873
me@justingallag.com
justingallag.com
github: justingallagher
linkedin: justingallag

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.
- Formed a team to promote better code quality and faster merges with Chromium, reducing the time for critical security fixes to reach Edge.
- Led the org's collaboration with Google in the upstream 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.
- Rolled out 43 new display languages for Edge on Windows and MacOS, as well as instrumentation and dashboards for global usage data.
- 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 creation of new APIs to control window and tab behavior in Windows, alongside partner teams in shell and web platform.
- Worked with a third-party company to design and develop new web APIs through a Typescript browser extension.

Microsoft Corporation, Software Engineer Intern

2015 – 2015
Redmond, WA

- Designed and implemented an analytics tool for the Windows team to hierarchically search 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

2013 – 2016
Pittsburgh, PA

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