justingallagher

computer scientist & software engineer

contact

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

languages

★ C
★ C++
★ C#
★ Java
★ Javascript
Python
SQL
SML

technologies

Android SDK
Windows SDK
Node.js
ASP.NET
OpenGL

applications

Git
LaTeX
Vim
Microsoft Office
Visual Studio
Linux
Windows

interests

Firmware development
Robotics
Operating Systems
Game Design

education

2013–2016	**Carnegie Mellon University**	Pittsburgh, PA

Bachelor of Science, Computer Science & Business Administration Minor
GPA: 3.83/4.00   **Dean's List**: Fall 2013, Fall 2014, Spring 2015

2009–2013	**Phillips Exeter Academy,** English Diploma, *cum laude*	Exeter, NH

technical experience

2015	**Microsoft Corporation,** Software Engineer Intern	Redmond, WA

- Designed and implemented an analytics tool which allows hierarchical search of XAML file structure using C# and SQL.
- Leveraged telemetry data to actively track the reliability of Windows Phone applications, leading to the discovery of a ship-blocking bug.

2014	**Microsoft Corporation,** Explorer Intern	Redmond, WA

- Developed a dashboard for telemetry data, enabling managers to make actionable, data-backed decisions about Microsoft Office Online features.
- Worked on a team of 3 interns to create a responsive ASP.NET web application capable of accessing large amounts of SQL data.

since 2013	**CMU Biorobotics Lab,** Researcher for Dr. Howie Choset	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 realtime sensor data to be accessed in MATLAB and ROS.

selected projects

2015	**tunemachine.co,** Andreeseen Horowitz Battle of the Hacks 2.0	Menlo Park, CA

- Implemented the backend for a Node.js web application which provides a version control system for Spotify playlists.

2015	**course-api,** Scottylabs	Pittsburgh, PA

- Developed a set of Python scripts that provide developers access to CMU course schedules, descriptions, and student evaluations.

2013	**CMUEats,** HackCMU	Pittsburgh, PA

- Wrote the backend for a web application that tracks the hours of CMU dining locations using Python, Django, and MongoDB – later ported to Node.js.
- A year later, the app maintained more than 400 daily hits from students.

other experience

since 2014	**Scottylabs**	Pittsburgh, PA

- Helped to organize and operate Tartanhacks, a hackathon of 350 students from the Pittsburgh area.

2013	**Eagle Scout,** Boy Scouts of America	Amherst, NH

- Brainstormed, planned, and executed a service project that supplies used eyeglasses to developing countries. Over the course of the project, I raised more than $650 and managed 38 volunteers.