

EDUCATION	University of Kansas	Lawrence, KS
	MS, Computer Engineering, GPA 4.0/4.0 Advisor: Prof. Heechul Yun	Aug 2020 – May 2022
	B. Sc., Computer Engineering, GPA 3.72/4.0	Aug 2017 – May 2020
PROFESSIONAL EXPERIENCE	Garmin International	Olathe, KS
	Software Engineer Intern	Nov 2020 – Present
	<ul style="list-style-type: none">Wrote software in C++ for the Garmin Overlander and other Automotive GPS devices.	
	University of Kansas	Lawrence, KS
	Graduate Teaching Assistant	Aug 2020 – Present
	<ul style="list-style-type: none">Explained technical topics related to embedded systems and real time applications.	
	Undergraduate Research Assistant	Apr 2019 – May 2020
	Advisor: Prof. Morteza, Hashemi	
	<ul style="list-style-type: none">Designed and built the project Sharp Edges - a research focused project to study the performance gains realized with Mobile Edge Computing.Built an Android application in Kotlin and a server implementing an Object Detection Model in Java.	
PROJECTS	Sharp Edges , github.com/SharpEdgesAndroid	
	<ul style="list-style-type: none">Demonstrated the substantial performance increase of dedicated servers on-the-edge vs on-device by building a Client/Server system written in Kotlin and Java.This worked by running the computationally demanding YOLOv3 Object Detection Model on the phone and offloaded to the server.	
	Quash “Quite a Shell” , github.com/Quash	
	<ul style="list-style-type: none">Programmed a Shell for the UNIX Operating System.Created features like pipes, main and background thread execution, signal handlers, and job status reports with C using POSIX libraries.	
	AudioBud , github.com/AudioBud-Chrome-Extension	
	<ul style="list-style-type: none">Created an audio visualizer and modulator for both the frequency spectrum and time domain.Built as a Chrome Extension with JavaScript using the Canvas and Web Audio APIs.Implemented digital audio filters, user interactivity via an options menu, and the visualizer’s interface.	
SKILLS	Programming: C/C++, Python, Haskell, \LaTeX , Javascript	
	Tools: Vim, Tmux, Git, Linux	
	Languages: English, French	
AWARDS	1st Prize at Hackathon, HackKU	2020
	Eta Kappa Nu, KU’s Gamma Iota Chapter	2019
	Eagle Scout, Boy Scouts of America	2013