

George Hilliard

1227 Pin Oak Drive #L9 · Flowood, MS 39232

(901) 326-0231 · [gmhilliard5@gmail.com](mailto:gmilliard5@gmail.com) · github.com/thirtythirtyforty

TECHNICAL SKILLS

Software development: Extensive development experience with Linux, embedded systems, Qt, and Android. Fluent in C, C++, Java, Kotlin, L^AT_EX, Python, and Rust.

Software release: Extensive experience with automated testing and deployment, especially with Git-driven continuous integration. Experience with upstreaming changes to prominent open-source projects. Familiar with packaging software via package managers, containers, and firmware images.

EXPERIENCE

Lead Firmware Engineer, **Kopis Mobile**, Flowood, MS

July 2016 – present

- Bootstrapped multiple custom embedded systems using Linux and FreeRTOS. Debugged new hardware, ported Linux, and wrote business logic to run on the devices. Integrated systems with Android devices and desktops using a variety of protocols, including USB, Bluetooth, and Wi-Fi.
- As a technical lead, managed and reviewed work from firmware team to deliver board support packages and firmware images. Interacted directly with the customer to set expectations, troubleshoot problems, and coordinate work in progress across organizations. Worked with management to provide scheduling estimates for future work.

PERSONAL PROJECTS

Linux-powered business card — A \$3 minimal Linux computer in a business card form factor. Designed and built a minimal ARM-based computer running customized Buildroot-based **Linux firmware**, using a low-cost system-in-package Allwinner processor. Ported Linux and U-Boot to the new platform. The card is powered via USB, boots in 6 seconds, and allows the user to log in over a serial console.

Individual contributions to open-source projects

Submitted features and bugfixes upstream to several prominent open source projects, including the Linux kernel, Rust, and systemd. Familiar with pull request-based and patch-based open-source workflows.

[See GitHub profile \(listed above\)](#) for a complete list of projects.

EDUCATION

Mississippi State University

Starkville, MS

Bachelor of Science, Computer Engineering

Fall 2012 – Spring 2016

- Cumulative GPA: 3.83/4.0 (*summa cum laude*)
- Completed a minor in Business Administration
- MSU Presidential Scholar, and Joseph Barrier Engineering Scholarship recipient