Geoffrey Cramer

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SUMMARY

Software engineer with 3 years of professional experience. Managed deployment to **50+ customers that is still used daily**. Completed full-time Master's in May am looking for next software engineering role.

SKILLS

Python, Flutter, Dart, C/C++, C#, Node.js, GCP, AWS SQL, NoSQL, JavaScript, Git, GitHub Actions, Docker, Xamarin, Android SDK

EDUCATION

Purdue University	West Lafayette, IN	**Purdue University**	West Lafayette, IN
M.S. Thesis Electrical & Computer Engineering	*Spring 2023*	*B.S. Electrical Engineering with Distinction*	*Spring 2018*

EXPERIENCE

MS Thesis in Electrical & Computer Engineering — Fall 2021 – Spring 2023
Advisor: Professor James C. Davis — *West Lafayette, IN*

- Completed full-time M.S. degree which involved a thesis and graduate TA work.

Software Engineer (Startup) — May 2019 – January 2022
Magnar LLC — *Philidelphia, PA (Remote)*

- **Designed, launched, and maintained Android app that is relied upon daily** for physical access control.
- **Improved personnel throughput by 20%** without compromising integrity by optimizing cryptography algorithms.
- Streamlined operations team processes and **automated manual tasks, saving 10 minutes per unit**.
- Scaled and modularized design to support multiple devices, peripherals, and a growing customer base (>50).
- **Managed full-stack web development team** to create online interface for deployment management.
- Handled an array of additional roles such as customer support, operations engineering, and market research.

Embedded Software Engineer — June 2018 – February 2019
Carrier Corporation — *Indianapolis, IN*

- Developed embedded Linux application for smart thermostats using C/C++ and IPC.
- Designed and implemented UI to meet customer and internal stakeholder requirements.
- Worked in globally distributed team to coordinate development of embedded Linux application.

Electronic Controls Engineer Intern — May 2016 – August 2016
Cummins, Inc. — *Columbus, IN*

- Assisted the On-Highway controls team in performing software testing on Dodge pickup trucks.
- Programmed occupational optimization tools to be used by full-time employees in order to increase efficiency.
- Tested and interfaced with multiple engine firmwares to investigate reported malfunctions.

PROJECTS

https://correspond.app — Firebase, Firestore, Clean Architecture

- Mobile app to send and receive handwritten letters. Built on Google Cloud and Flutter.
- Designed for those that love writing and receiving handwritten messages from friends and family.
- Clean, feature-oriented architecture with Firebase Auth, Firestore, and custom serialization algorithm.
- Planned features: add pictures & images, write letters using handwritten fonts, and find pen pals in the app.

Google Maps Clone — Flutter, Firebase, Google Maps API

- Flutter mobile application with basic features of Google Maps location search and navigation. Full project here.
- Flexible architecture with bootstrap design pattern and isolated Flutter packages.
- Straightforward setup with clear documentation on how to configure and run the app.

ACHIEVEMENTS

Outstanding Mentor Award	*Purdue Undergraduate Research Fellowship*	Summer 2022
Vice President	*Purdue Flutter Development Club*	Fall 2021 - Spring 2023
Executive Member	*Eta Kappa Nu - IEEE Student Honor Society*	Fall 2021 - Spring 2023
Contribution to IoT patent submission	*Magnar LLC*	April 2019
Dean's List and Semester Honors	*Purdue University*	Fall 2014 – Spring 2018