# Saad **Rasheed**

SOFTWARE ENGINEER

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## Summary

Currently a embedded software engineer at Motorola Solutions writing software for encryption products. I'm passionate about building, tinkering and making things better.

## Work Experience

**Motorola Solutions**                                                                                         *Chicago, Illinois*

SOFTWARE ENGINEER                                                                                              *Jan. 2018 - Present*

- Developed encryption software and security-related features for multiple embedded products.
- Implemented cross-platform applications for a variety of different host architectures.
- Integrated legacy code base with modern continuous integration and deployment tools.
- Implemented testing framework using IP Stack and TCP/UDP Protocols.
- Developed and integrated test diagnostic software for encryption products within a telecommunications infrastructure.

## Education

**Northern Illinois University**                                                                               *Dekalb, Illinois*

B.S. IN COMPUTER SCIENCE                                                                                       *2015 - 2017*

- Distinction: Cum Laude
- Relevant Courses: Data Structures, Algorithms, UNIX, Networking, Databases, iOS Mobile Programming, Assembler Mainframe, Java, Operating Systems, Computer Architecture and Systems

## Extracurriculars

**Schaumburg Motorola Hackathon**                                                                             *Schaumburg, Illinois*

TECHNICAL ENABLEMENT LEAD                                                                                      *Jan. 2019 - Apr. 2019*

- Led a team to setup required technical infrastructure for hackathon, hosting approximately 100 participants.
- Team enabled participants to use GitLab, GitHub, Cloud Instances alongside proprietary Motorola hardware.

**Google Extension**                                                                                           *Google Chrome Store*

MINIMALIST                                                                                                     *Feb. 2019 - Present*

- I developed and maintain a minimal note taking application for Google Chrome.

**iOS Application**                                                                                            *Northern Illinois University*

UNIBOARD                                                                                                       *Dec. 2016 - Feb. 2018*

- I developed a social media iOS application that allowed university students to sign up and communicate publicly through posts and images.
- Firebase was used for the back-end and data store to allow users to comment and like other user's posts.

## Skills

**Languages,** C, C++, Python, Bash, Batch, Swift, Java and Javascript

**Operating Systems,** Linux, UNIX, Windows, HPUX and PowerPC

**Higher Level,** Knowledge of the software development lifecycle, strong verbal and written communication skills, excellent at debugging, critical thinking and problem solving.

## Interests

**Academic,** Machine Learning, Containers, Automation, IOT, RF/Wireless and NodeJS

**Computers,** Hosting a web-server locally connected with IOT devices to allow media server to be accessed remotely. I enjoy customizing my Linux distro and creating custom utilities for it.

**Other,** Hobbyist photographer and camera geek