

# Saad Rasheed

SOFTWARE ENGINEER

Chicago, IL USA

☎ (224) 258-2804 | ✉ [contact@rasheedsaad.com](mailto:contact@rasheedsaad.com) | 🏠 [www.rasheedsaad.com](http://www.rasheedsaad.com) | 📷 [srashee](#)

## Summary

I'm currently a Software Artisan at Accenture writing software for business products. I'm passionate about building, tinkering and making things better. I have experience developing on embedded systems and cloud technologies. I'm also attending University of Illinois at Urbana-Champaign for Computer Science.

## Work Experience

### Accenture

SOFTWARE ARTISAN

Industry X

Apr 2021 - Present

- Scaled out a Smart City data ingestion pipeline named UrbanOS using AWS, Terraform, Kubernetes and Helm.

### Motorola Solutions

SOFTWARE ENGINEER II

Secure Products Group

Jan 2018 - Apr 2021

- Built Software for next generation Radio's in C.
- Built Software for encryption systems in C and Python.
- Developed encryption software and security-related features for multiple embedded products.

SOFTWARE ENGINEER I

- Implemented testing framework using IP Stack and TCP/UDP Protocols.
- Implemented cross-platform applications for a variety of different host architectures.
- Integrated legacy code base with modern continuous integration and deployment tools.

## Education

### University of Illinois Urbana-Champaign

M.S IN COMPUTER SCIENCE

Urbana-Champaign, Illinois

2019 - Present

- Relevant Courses: Distributed Systems (Cloud Computing), Parallel Programming, Theory and Practice of Data Cleaning and Text Information Systems.

### Northern Illinois University






B.S IN COMPUTER SCIENCE

Dekalb, Illinois

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

## Skills

-  **Languages:** C, C++, Python, Swift, Javascript, Haskell, Java, and Scripting(Shell, PS1, Batch)
-  **Tools:** Git, Docker, GDB, ARM debugger, Clearcase, Jenkins, Github Actions, Docker, Kubernetes, Helm, Terraform, Artifactory, Conan, CMake, EKS, and EC2
-  **Platforms:** AWS, Azure, Windows, Linux, ARM, and RHEL
-  **Embedded:** GPIO, USB, Serial, RS232, and SPI Interfaces
-  **Security:** Experience working with encryption algorithms, key management and general understanding of web security

## Projects

### Causal Data Mining

CS410: Text Information Systems

ITERATIVE TOPIC MODELING WITH TIME SERIES FEEDBACK

October 2020

- Worked with a team to develop a system in Python to analyze historical data and build graphical associations with historical events.
- The project and code is an open-sourced research project available for viewing here.

## Google Extension

### MINIMALIST

- Developed and maintain a minimal note taking application for Google Chrome.
- Available for download in the Google Chrome Store.

Google Chrome Store

Feb. 2019 - Present

## ACM WCS Mentorship Program

### MENTOR

- Mentored an Ungraduate Computer Science student.
- Met virtually on a regular cadence to help matriculation during the COVID 19 Pandemic.

University of Illinois at UC

May, 2020

## Motorola YPG SCH

### SOCIAL BRANCH LEAD

- Led a team to setup events for Motorola social events.
- Event planning for virtual events during the pandemic.
- Event planning for social in-person events for 500 attendants.

Motorola Solutions

Jan. 2020 - Apr 2021

## Motorola Hackathon

### TECHNICAL ENABLEMENT LEAD

- 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.

Schaumburg, Illinois

Jan. 2019 - Apr. 2019

## iOS Application

### UNIBOARD

- Developed a social media iOS application in Swift 3 that allowed university students to sign up and communicate publicly through posts and images.
- Used Firebase for the back-end and data store to allow users to comment and like other user's posts.

Northern Illinois University

Dec. 2016 - Feb. 2018