



SHAMITA NAGALLA

 SHAMSTERTHEHAMSTER.GITHUB.IO

 SHAMITANAGALLA@GMAIL.COM

 678-907-2866

ABOUT ME

I am an engineer by day, a storyteller by night. I've always loved dreaming solutions to problems and then creating them with my bare hands. I've made music boxes for friends and phone apps for community members. Next, I want to build solutions for entire, data-driven cities.

SKILLS

JAVA/C++ ★★ ★

HTML/CSS ★★ ★

JAVASCRIPT ★★

LINUX OS ★★

DATA SCIENCE ★

WRITING ★★ ★★

EDUCATION

Vanderbilt University, Nashville, TN

May 2018

B.E. in Computer Engineering
(Engineering Management minor)

Relevant Courses: Algorithms, Computer Networks, Computer Organization,
Databases, Embedded Systems, Software Design, Statistical Pattern Recognition

Hong Kong Univ. of Science and Tech

Fall 2016

School of Engineering Exchange Program

Continued Education

Introduction to Linux by the Linux Foundation – current
You Don't Know JavaScript by Kyle Simpson – current

WORK EXPERIENCE

Flock Safety, Atlanta, GA

Oct 2018 – Nov 2018

Firmware Engineering Intern

- Migrated license plate recognition software's image upload client to Android/Kotlin environment in company's first step to next generation product
- Created continually running service framework for device in Android API 27

Cisco, Franklin, TN

July 2016 – Dec 2016

Field Enablement Intern

- Analyzed data on product/service sales for over 200 companies; work presented at Cisco National Conference
- Designed and created file deck of overviews and values for technical services; now used as reference by sales team

Elemica, Dunwoody, GA

June 2015 – Aug 2015

Web Development Intern

- Developed Help Center for Quick Link 2.0 networking platform using HTML/CSS and some assistance incorporating Scala and Lift

PROJECTS

Smart Light Pole System

Sept 2017 – April 2018

Senior Design Project with Sterling Ranch LLC

Won Walter C. Criley Award for best design project

- Telemetry lead, developed HTTP interface for Android app to communicate with web server
- Programmed Bluetooth devices and mobile app so light poles brighten as user approaches

Mini Autonomous Vehicle

Oct 2017 – Dec 2017

- Created robotic vehicle capable of navigating map and calculating shortest distance using Beaglebone Blue microcontroller
- Designed and programmed C++ interface for i2c color sensor to identify spots on map