

# Ish Shah

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## EDUCATION

### UNIVERSITY OF ILLINOIS

Urbana-Champaign, IL

### BS IN COMPUTER SCIENCE

EXPECTED MAY 2019

College of Engineering

### SMOKY HILL HIGH SCHOOL

Aurora, CO

### IB DIPLOMA

GRADUATED MAY 2016

## LINKS

GitHub:// [theishshah](#)

LinkedIn:// [theishshah](#)

## COURSEWORK

### UNDERGRADUATE

Discrete Structures

Software Design Studio

Data Structures

Computer Architecture

Virtual Reality

## SKILLS

### PROGRAMMING

Ruby • Python • C++ • Java • C • Go

• Javascript • Verilog • Shell

### FRAMEWORKS

Flask • NodeJS • Dropwizard •

Swagger

### TECHNOLOGIES

LaTeX • Git • SVN • Elasticsearch •

PostgreSQL • Jenkins • Docker •

AWS S3

## INVOLVEMENT

ACM@UIUC

HackIllinois

Reflections|Projections

## EXPERIENCE

### BAZAARVOICE | SOFTWARE ENGINEERING INTERN

Summer 2017 | Austin, TX

- Worked on audit and activity logging service for Portal service gateway
- Designed and implemented service for user activity logging
- Maintained endpoints for audit service

### CS 196 AT UIUC | COURSE STAFF

Spring 2017 - Current | Urbana, IL

- Managed semester long project for students
- Helped administer grading policies and manage gradebook

### MAKERGIRL | WEB AND DATA MANAGER

Fall 2016 | Champaign, IL

- Maintained and improved website code base
- Warehoused and analyzed metrics in Excel
- Maintained consistent branding across platforms

## RESEARCH

### INTELLIGENT ROBOTICS LAB AT UIUC | UNDERGRADUATE RESEARCHER

Spring 2017 - Present | Urbana, IL

Working on adapting PX4 autopilot software for use on Raspberry Pi 3 boards and optimizing the software for real time flight calculations. Currently investigating efficiency of different parallelization models for embedded flight control software.

### MEMORY MODEL PROGRAMMING EDUCATION |

#### UNDERGRADUATE RESEARCHER

Spring 2017 - Present | Urbana, IL

Working on developing basic computer programming coursework by teaching a memory model for a fundamental base. Currently investigating potential introductory CS material to teach in a pilot study.

## PROJECTS

### GROOT [GITHUB.COM/ACM-UIUC/GROOT](https://github.com/ACM-UIUC/GROOT)

Groot is an API microservice gateway designed and built at ACM@UIUC. My role was to write the group permissions management service. I also contributed to the desktop front-end, core Groot deployment service, and the meme service.

### DRINK IQ [GITHUB.COM/THEISHSHAH/DRINKIQ-FLASK](https://github.com/theishshah/drinkiq-flask)

Web app designed to give users drink recommendations based on responses to three pre-screen questions. Suggestions were implemented using basic collaborative filtering algorithm.