

# Rishi Kalluri

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## EDUCATION

**UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN** | B.S. COMPUTER ENGINEERING

GPA: 3.53/4.0

COURSEWORK:

COMPUTER SYSTEMS ENGINEERING (CURRENT), ARTIFICIAL INTELLIGENCE (CURRENT), DATA STRUCTURES  
EXPECTED DEC. '2020

## EXPERIENCE

**PHYSIQ** | SOFTWARE ENGINEERING INTERN

MAY 2018 - AUG 2018 | CHICAGO, IL

- Developed BDD integration tests using Python SDK, improving integrated test coverage by more than 50%
- Built tooling to import serialized sensor data with Flatbuffers
- Created React.js application to generate API documentation based on the Open-API(Swagger) specification
- Integrated and containerized documentation to automatically update upon build

**CAPITAL ONE LABS** | INVITATIONAL SOFTWARE ENGINEERING SUMMIT

MAY 2018 | ARLINGTON, VA

- Constructed a Google Chrome Extension to manage users' subscription payments, helping to prevent unnecessary subscriptions
- Worked extensively with Amazon AWS services (S3, EC2, Elastic Beanstalk), developing small-scale projects utilizing the technology

**NOONLIGHT** | ANDROID DEVELOPMENT CONSULTANT (REMOTE)

MARCH 2018 - MAY 2018 | ST. LOUIS, MI

- Developed an Android application using the Noonlight API to send the user's location and condition to 911 and emergency contacts
- Created Noonlight Android applications to connect with social media, providing a larger pool of emergency contacts

**SWARM ROBOTIX** | ROBOTICS INTERN

MAY 2017 - AUG 2017 | OSWEGO, IL

- Designed system of autonomous robots to handle inter-modal containers in a port setting, replacing the need for Automated Guided Vehicles; reducing container backup in ports by up to 33
- Led effort to increase company exposure: coordinated with AutoDesk to develop promotional material (videos, articles, interviews)

## PROJECTS

**SUBSTOP** | PYTHON, FLASK, BOOTSTRAP, HTML, JAVASCRIPT, CSS, AMAZON ELASTIC BEANSTALK, AMAZON S3

- Fabricated a subscription management service to monitor recurring payments
- Independently developed RESTful API service to manage subscriptions using the Capital One Nessie API
- Assisted in execution of front-end Chrome Extension to monitor subscription usage

**SFPD DISPATCH ANALYSIS** | PYTHON, FLASK, BOOTSTRAP, HTML, JAVASCRIPT, CSS

- Developed application to visualize and analyze SFPD dispatch information in CSV format
- Used statistical modeling (KNN) in Python to predict the dispatch, based on time and location

**RUNSAFE ANDROID APPLICATION** | JAVA, ANDROID STUDIO, HTTP REQUESTS (GET, POST)

- Built Android application using the Noonlight API send location and distress message immediately to 911
- Implemented features to specify the condition in emergency text to preset contacts

## SKILLS

COMPUTER LANGUAGES: JAVA, PYTHON, C, C++, REACT.JS, CSS, HTML

TOOLS: GIT, SVN, CUCUMBER/GHERKIN, VAGRANT/DOCKER, MYSQL, MONGODB, AMAZON S3, AMAZON EC2

OTHER: AMAZON ELASTIC BEANSTALK, HEROKU, UNIX OS