

Rishi Kalluri

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EDUCATION

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

GPA: 3.63/4.0

COURSEWORK: COMPUTER SYSTEMS AND PROGRAMMING, DATA STRUCTURES, DISCRETE STRUCTURES

EXPECTED '2020

EXPERIENCE

PHYSIQ | SOFTWARE ENGINEERING INTERN

MAY 2018 - PRESENT | 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, AMAZON S3, AMAZON EC2

OTHER: AMAZON ELASTIC BEANSTALK, GOOGLE CLOUD, HEROKU, UNIX OS