

Phurushotham Shekar

SOFTWARE ENGINEER

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Education

Rutgers University

New Brunswick, New Jersey

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING & MINOR IN COMPUTER SCIENCE

Graduation: May 2020

Awards: Best Education Hack and Top 10 Pennapps XVII, Winner 64 of 3000+ IBM Vault 2018

Relevant Coursework: Data Structures, Software Engineering, Systems Programming, Computer Architecture

Current Coursework: Algorithms, Machine Learning for Engineers, Information and Network Security, Digital System Design

Work Experience

Rutgers University Student Affairs and Marketing

New Brunswick, NJ

WEB DEVELOPER INTERN

May 2019 - Present

- Design and develop a website template using **Bootstrap** and **SCSS** to transition current Student Affairs affiliated sites from **WordPress** to the **Drupal** content management system
- Maintain current Student Affairs sites by updating content as requested and troubleshooting issues
- Optimize UI/UX with Google Analytics and user feedback to improve reachability of important pages

Leadership Experience

TEDxRutgers

New Brunswick, New Jersey

PRESIDENT

Sep. 2017 - Present

- Delegate tasks to 25 members among 6 teams to host various smaller events that strengthen the TEDxRutgers brand leading up to the annual conference with 500 attendees and 8 speakers
- Implemented a dedicated Speaker Curator team to research, select, and reach out to potential speakers and assist them through the process of giving their TEDx Talk
- Collaborated with various third parties to set up logistics, talk recordings, and stage productions

Rutgers Undergraduate Student Alliance of Computer Scientists (USACS)

New Brunswick, New Jersey

HACKRU ORGANIZER - VOLUNTEER AND HACKER EXPERIENCE TEAM | USACS MENTOR

Sep. 2017 - Present

- Trained 50+ volunteers and mentors on their responsibilities to aid 800+ hackers in a timely manner
- Surveyed attendees during the hackathon to incorporate their feedback at future events
- Mentor underclassmen and assist them with navigating the CS community and curriculum at Rutgers

Selected Projects

Minerva

New Brunswick, New Jersey

TERM PROJECT - SOFTWARE ENGINEERING (ECE:452)

Spring 2019

- Developed a mobile and web app to increase Professor and Student communication by adding in-class quizzes, questions and feedback to the features offered in existing learning management systems
- Implemented the anonymous questions and feedback system in the cross-platform mobile app using **React Native** and **Node.js** to interact with the **MongoDB database**
- Designed the UI using **Adobe XD** and adhered to best design principles to maximize user friendliness

Brewba

College Park, Maryland

BITCAMP (UMD HACKATHON)

Spring 2019

- Created a conveyor belt-like system using an **Arduino**, servo motors and IOT devices to create an automated bubble-tea maker that can serve a cup in only 2 minutes

Wea(r)ther

New Brunswick, New Jersey

PERSONAL PROJECT

Spring 2019 - Present

- Developing a cross-platform app using **React Native** to recommend clothing based on weather conditions
- Accesses the Google Location and Dark Sky APIs to fetch the required data to determine personalized clothing recommendations for each user based on their personal preferences

LiveNote

Princeton, New Jersey

HACKPRINCETON

Fall 2017

- Used **JavaScript** and the Microsoft Linguistics API to create a real time, collaborative note taking application that merges notes from multiple students to create a master set of notes

Skills

Languages: Java, Javascript, C, Python, HTML/CSS

Technologies: Git, React, React Native, Wordpress, Drupal, Bootstrap, Photoshop/XD, MongoDB Stitch