

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, Algorithms, Software Engineering, Systems Programming, Computer Architecture, Network Security

Current Coursework: Databases, Computer Systems, Smart Grids, Digital Electronics, Senior Design Capstone

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**, **SCSS**, and **JavaScript** to modernize and transition current Student Affairs affiliated sites from **WordPress** to the **Drupal** content management system
- Manage all Student Affairs departmental sites by updating website content, writing scripts to automate updates, and troubleshooting issues with **WordPress** dependencies or content updates
- Write user documentation for department administrators so they can use the new Drupal based system to create and edit content.

Skills

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

Technologies Git, React, React Native, Node.js, Wordpress, Drupal, Bootstrap, Adobe XD

Leadership Experience

TEDxRutgers

New Brunswick, New Jersey

CO-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 throughout the process of crafting their TEDx Talk
- Collaborated with various third parties to set up logistics, talk recordings, and stage productions for the annual conference

Rutgers Undergraduate Student Alliance of Computer Scientists (USACS)

New Brunswick, New Jersey

HACKRU ORGANIZER - VOLUNTEER AND HACKER EXPERIENCE TEAM | USACS MENTOR

Sep. 2017 - Oct. 2019

- 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

hARK

New Brunswick, New Jersey

SENIOR DESIGN PROJECT

Fall 2019 - Present

- We are developing a system containing an Augmented Reality app and a wearable sensory device to allow for the hard of hearing to navigate the real world in a safer manner
- The wearable device will alert the user of sudden noises with vibration feedback in the direction of the sound
- The AR app integrates with the device and to provide a visual indicator and live transcribes the users conversation

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

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