

# PHURUSHOTHAM SHEKAR

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## Education

Rutgers University - New Brunswick • May 2020

B.Sc. in Electrical and Computer Engineering, Minor in Computer Science

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

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

Languages: Java • JavaScript • C • HTML/CSS • MATLAB

Tools/Frameworks: Git • Node.js • React.js • React Native • Unix Terminal • Drupal • WordPress

## Experience

[Rutgers University Student Affairs Marketing and Communications](#)

May 2019 - Present

*Web Developer Intern*

- ▶ 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

## Projects

[Brewba](#) • BitCamp 2019

April 2019

- ▶ Created a conveyer 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

[Minerva](#) • Term Project – Software Engineering (ECE:452)

Jan 2019 – April 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

[Wea\(r\)ther](#) • Personal Project

Jan 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

[IBM Vault Challenge](#) • Winner: 64 of 3000+ (Top 2%)

Sept 2018

- ▶ Solved 6 challenges that required parsing website code, cracking cyphers and editing **JavaScript** code in order to decode and identify the passwords for each level

## Involvement

[TEDxRutgers](#)

Sept 2017 - Present

*President*

- ▶ Delegate tasks to 20+ people 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 in crafting their talks
- ▶ Collaborated with various third parties to set up logistics, talk recordings, and stage productions

[Rutgers Undergraduate Student Alliance of Computer Scientists \(USACS\)](#)

Sept 2017 – Present

*HackRU Organizer - Volunteer and Hacker Experience Team • USACS Mentor*

- ▶ Trained 20+ 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