Rohit Bandaru

Computer Engineering Student

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Connect

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(portfolio website)

Relevant Coursework

* in progress

Algorithms* Signals*
Operating Systems*
Databases Digital Logic
Microelectronics
Data Structures Circuits
Object-Oriented Programming
Computer Organization
Embedded Systems
Discrete Structures

Skills

Languages

Python SQL
Java C
Swift/iOS Matlab
Javascript

Frameworks/Libraries

Node.js PostgreSQL
Express.js MySQL
D3

UI/UX Design

Adobe Photoshop
Adobe Illustrator
Sketch
InvisionApp

Web Development

HTML Bootstrap
CSS
JQuery

EDUCATION

2015 - Present (Expected December 2018)

Cornell University- Ithaca, NY

3.68 GPA, Dean's List (All Semesters)

Bachelor of Science, Computer Science, Electrical and Computer Engineering

EXPERIENCE

August 2017 - Present

Cornell CS - Ithaca NY

Teaching Assistant

- Help students with the material and homework by holding office hours
- Grade class assignments and answer questions on Piazza

February 2017 to Present

Autonomous Bicycle Team - Cornell University

Software Team member

- Develop the full web stack using EJS, Bootstrap, and jQuery on the front end and Node.js and Express.js on the back end
- Implement effective navigation of the bicycle by setting waypoints using the Google Maps API and sending required data to the bicycle hardware
- Create an efficient database system with PostgreSQL to store data from the hardware and visualize and analyze it in real time

January 2017 - February 2017

Huna Makia - Santa Clara, CA

Software Engineering Intern

- Completely developed EngageApp, an iOS application built on the Huna Makia API, which allows users to search a database for a professional contact to leave a ringless voicemail
- Used Sketch and Invision for UX design and Swift and Xcode for app development
- Ran extensive user testing and feedback cycles to optimize the user experience

February 2016 to Present

Genetically Engineered Machines Team (iGEM) - Cornell University

Wet Lab, Product Development, Business subteam member

- Work to clone and test bacteriocin genes into bacterial plasmids to create a more precise and effective treatment for bovine mastitis
- Contacted over 100 companies for partnership opportunities and ran a crowdfunding campaign
- Advance the project entrepreneurially by writing a business plan and performing market analysis

PROJECTS

July 2017

WhatsGood - Personal project

- Python backend using the Flask framework to retrieve local restaurant from the Yelp API and extract interesting statistics with iOS application developed as a client

September 2016

HeapSort - BigRed//Hacks F16, Ithaca, NY

- Worked in a team to develop a web and mobile application to help users know which trash items are recyclable or compostable. Used Microsoft Cognitive Services and Clarifai APIs to develop its functionality
- Implemented data analysis and visualization functionality using D3.js