Rohit Bandaru

Computer Engineering Student

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Connect

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Relevant Coursework

* in progress

Embedded Systems*
Databases* Digital Logic
Microelectronics*
Data Structures Circuits
Object-Oriented Programming
Computer Organization
Biological Engineering
Probability and Inference for Random Signals*
Discrete Structures

Skills

Languages

Python
Java
Swift/iOS
Javascript
SQL
C
Matlab

Frameworks/Libraries

Node.js
Express.js
D3
PostgreSQL
MySQL

UI/UX Design

Adobe Photoshop
Adobe Illustrator
Sketch
InvisionApp

Web Development

HTML
CSS
JQuery
Bootstrap

EDUCATION

2015 - Present (Expected May 2019)

Cornell University- Ithaca, NY

3.69 GPA, Dean's List (All Semesters)

Bachelor of Science, Computer Science, Electrical and Computer Engineering

2011 - 2015

Chelmsford High School- Chelmsford, MA

4.08 GPA Faculty Association Award in Mathetmatics and Science

President of Math Team, Science Organization, Key Club

EXPERIENCE

January 2017 - February 2017

Huna Makia - Santa Clara, CA

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 ensure that the user experience is optimal
•Applied BJ Fogg's Behavior Model and Nir Eyal's Hooked model to design the UX to

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

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 12 companies for partnership opportunities and ran a crowdfunding campaign
• Advance the project entrepreneurially by writing a business plan and performing market analysis
• Develop software and hardware to complement the biological aspect of the project

PROJECTS

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