# Rohit Bandaru

Computer Engineering Student


## Contact

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## Connect

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RohitBandaru.github.io
(portfolio website)


## Relevant Coursework

** in progress*

Algorithms* Signals*
Operating Systems*
Databases Digital Logic
Microelectronics
OOP and Data Structures
Computer Organization
Embedded Systems
Discrete Structures

## Skills

### Languages

Python
Java
Swift/iOS
Javascript
SQL
C
Matlab

### Frameworks/Libraries

Node.js
Express.js
D3
PostgreSQL
MySQL
Scikit-Learn

### UI/UX Design

Adobe Photoshop
Adobe Illustrator
Sketch
InvisionApp

### Web Development

HTML
CSS
JQuery
Bootstrap

## EDUCATION

2015 - Present (Expected December 2018, Junior)

**Cornell University**- *Ithaca, NY*

**3.67 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 (CS 4320 Database Systems)

- 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

- Designed and developed the full stack using Bootstrap, and jQuery on the front end, Node.js and Express.js on the back end, and deployed on Google Cloud
- Implemented effective navigation of the bicycle by setting waypoints using the Google Maps API and sending required data to the bicycle hardware
- Created 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 designed and 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*

Business Team Lead

- Advance the project entrepreneurially by developing a complete business plan
- Contacted companies to gain sponsorship and partnership opportunities
- Ran a crowdfunding campaign to raise over $7000 to fund the project and competition
- On the wet lab subteam, cloned and tested two distinct bacteriocin genes into bacterial plasmids to create a more effective treatment for bovine mastitis

## PROJECTS

July 2017

**WhatsGood** - *Personal project*

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

September 2016

**HeapSort** - *BigRed//Hacks F16, Ithaca, NY*

- Worked in a team to develop a web and Android application to categorize users' trash items through a webcam
- Used Microsoft Cognitive Services and Clarifai computer vision APIs
- Implemented data analysis and visualization functionality using D3.js