

# Rohit Bandaru

Computer Engineering Student



## Contact

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## Connect

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(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 SQL  
Java C  
Swift/iOS Matlab  
Javascript

### Frameworks/Libraries

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

### UI/UX Design

Adobe Photoshop  
Adobe Illustrator  
Sketch  
InvisionApp

### Web Development

HTML Bootstrap  
CSS  
jQuery



## 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 CIS - 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
  - Led development of the web application using Bootstrap 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 GPS data to the bicycle hardware
  - Designed 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