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Rohit Bandaru

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Education

Ithaca, NY **Cornell University** 2015 – December 2018 (Expected)

- Bachelor of Science in **Computer Science, Electrical and Computer Engineering**, **GPA: 3.68**
- Relevant Coursework: Algorithms, Operating Systems, Embedded Systems, Databases, Digital Logic and Computer Organization, Data Structures, Discrete Structures

Experience

Teaching Assistant **CS 4320 Database Systems** August 2017-Present

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

Intern **Huna Makia** January - February 2017

- 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 retain users

Software Team Member **Autonomous Bicycle Team** February 2017 - Present

- 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

Team Member **Cornell iGEM** February 2016 - Present

- Cloned and tested two distinct bacteriocin genes into bacterial plasmids to create a more precise and effective treatment for bovine mastitis
- Contacted 12 companies to gain sponsorship and partnership opportunities
- Ran a crowdfunding campaign to raise over $7000 to fund the project and competition costs
- Advance the project entrepreneurially by writing a business plan and performing market analysis

Projects

BigRed//Hacks F16 **HeapSort** September 2016

- Worked in a team of four to develop a web and mobile application using computer vision to help users know which trash items are recyclable or compostable
- Used Microsoft Cognitive Services APIs to identify and categorize images from the webcam
- Implemented data analysis and D3 visualization to demonstrate further applications

Technical Skills

- **Languages**: Python, Java, Swift, JavaScript, SQL, C, Matlab, HTML, CSS, ARM assembly
- **Libraries/Frameworks/Databases:** Node.js, jQuery, Express, D3, PostgreSQL, MySQL
- **Tools**: Xcode, Git, Sketch, Adobe Photoshop, Invision, Adobe Illustrator