

EXPERIENCE

Associate Electrical Engineer (R&D) [Oct 2015 – present]

Human Condition Safety, NY

- Rapid prototyping, firmware development, designing circuits & PCB layouts for safety products that use wide array of analog & digital sensors and wireless devices(BLE/ WiFi/ Cellular)
- Developed Arduino library for a 4G/LTE modem. Designed performance test & analysis platforms for new products
- Worked as a consultant to (re)build an interactive kinetic art sculpture for artist Charles Lindsay ('Rocket Brain': vimeo.com/90893564) Currently on exhibit at MassMoCA

Research Fellow [Sept 2014 – Sept 2015]

Interactive Telecommunications Program, New York University, NY

- Researched & performed experiments with emerging technologies in motion capture, IOT and digital fabrication
- Held office hours for ITP students to guide them on topics related to electronics, coding, physical computing & fabrication
- Co-headed the development of a network of Wordpress-based websites for the thesis class of 110 students; for students to showcase & submit their work and for instructors to evaluate it & provide feedback.

Prototyping Lab Guardian [Oct 2014 – May 2015]

New York University, NY

- Provided regular training to students, researchers & teachers at NYU on proper use of in-house Laser cutter & 3D printers
- Held workshops and office hours to teach them basic electronics and physical computing with Arduino

Student Intern [Fall 2013]

Microsoft Research Lab + NYU

- Rapid prototyped "Self-Aware Bikes", a connected devices project for a Microsoft sentient analysis API

TECHNICAL SKILLS

C/C++, Embedded Linux, Python, PHP, Processing, HTML/CSS, Eagle (PCB design), MultiSim, VectorWorks (CAD), MasterCAM, MAX/MSP, Unity3D, Adobe Creative Suite

EDUCATION

Master of Professional Studies [Interactive Telecommunications], New York University, NY.....2014

Bachelor of Engineering [Electronics & Telecommunications], University of Pune, India2011

AWARDS

ITU Telecom World 2011, Geneva, *Young Innovators Award Winner*

NYU Tisch School of the Arts, *Departmental Fellowship (2012-2014)*

SELECTED PERSONAL PROJECTS

- PrintO-Bot: [Featured Instructable] A desktop inkjet printer reengineered and put on wheels to print on any surface while moving over it
- Will You Play With Me?: A series of interactive, electro-mechanical butterflies built using specially designed 3D printed parts
- Stage VFX: Visuals and animations made in Unity3D for a dance showcase at Riverside Church Theatre, NY
- Sock Monster: [Group project] A 2-day, interactive window display exhibit installed on Waverly Pl, NY