Eshan Halekote

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PORTFOLIO http://ehalekote.wix.com/portfolio

EDUCATION
December 2017 **Bachelor of Science, Electrical Engineering**
The University of Texas at Austin | Overall GPA: 3.50/4.00

WORK EXPERIENCE

05/14 - 02/15 **Co-founder, Vinveli Unmanned Systems**
- Designed and prototyped automated battery hot swap station for quadcopters
- Pitched business to venture capitalists and angel investors
- Selected from 130 applicants to get funding and join Iowa Startup Accelerator

05/16 – 08/16 **Intern, NXP Semiconductors SoC Validation Team**
- Created Python/C++ applications to test SoC/DDR4 timing alignment
- Automated testing process for SoC/DDR4 interactions with Python scripts

05/15 – 08/16 **Research Assistant, Valvano Research Group**
- Designed PCB schematic and layout for wireless data capture from a pacemaker
- Soldered/Reflowed PCB for wireless data capture from a pacemaker
- Wrote software to visualize wireless pacemaker data in real time

03/14 – 08/14 **Research Assistant, Texas Spacecraft Lab**
- Wrote C++ code for satellite-to-satellite radio communication
- Debugged radio hardware with logic analyzer

04/15 - Present **Research Assistant, Lu Research Group**
- Designed transparent ECG equipped temporary epidermal tattoo
- Designed thin film temporary epidermal tattoo for surgical heating applications
- Designed thin film temporary epidermal tattoo for skin allergen monitoring

ADDITIONAL EXPERIENCE

07/14 - 01/15 **Member, UT Austin Unmanned Underwater Vehicle Competition Team**
- Designed and manufactured custom PCBs for UUV lighting system
- Worked with small team on UUV power subsystem design

SKILLS Proficient with C, C++, Python, Cadsoft EAGLE layout/schematic editor, NI MultiSim schematic editor, NI Ultiboard layout editor, Linux environment, Embedded Development (Arduino, Raspberry Pi, ARM), Soldering, Reflowing, Oscilloscope

AWARDS

2015 Radio Club of America Scholarship Recipient
2016 University of Texas at Austin Undergraduate Research Fellowship Awardee
2013 Cockrell School of Engineering Scholarship Recipient