

ROHUN ATLURI

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EDUCATION

Georgia Institute of Technology **Bachelor of Science, Computer Science** **Aug 2015 - May 2019**

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Computer Organization and Programming, Linear Algebra with Abstract Vector Spaces

EXPERIENCE

Engineering Intern, Naval Postgraduate School, Monterey, CA **Jun - Aug 2015**

- Worked with astronauts, professors, military officers, and PhD students, completed 2 successful HAB launches
- Designed and programmed satellite hardware in a High Altitude Balloon (HAB) payload
- Developed master script for payload and programmed radios and various sensors utilizing a Raspberry Pi

Engineering Intern, Naval Postgraduate School, Monterey, CA **Jun - Aug 2014**

- Worked with astronaut Dr. Jim Newman, Space Systems Lab, developing a HAB payload
- Designed HAB in CAD, 3D printed components
- Programmed Beaglebone Black, various sensors, and balloon release mechanism using Python

PROJECTS AND ACTIVITIES

CodeB with Bloomberg, Atlanta, GA **Jan 2016**

- Worked with a team to write a stock trading algorithm using Bloomberg's given API and data
- Based the algorithm based on depreciation of dividend payouts and trading quickly

TeenyChat - Winner, HackGTeeny 2015, Atlanta, GA **Nov 2015**

- Worked with a team and mentors to develop a chat application using Facebook login
- Used firebase as a backend database and implemented a profanity tracker

CrossCampus, HackGT 2015, Atlanta, GA **Sept 2015**

- Worked with a team to develop an app that optimizes time efficiency of going to class
- Developed the front-end Android interface to communicate with a RESTful web service

Sacramento Regional NASA SpaceApps Hackathon Winner, Sacramento, CA **April 2015**

- Worked with team to design a concept for measuring depth using a single camera
- Methodology included using several frames at different focal length to interpolate a distance
- Qualified to international level of competition

CyberPatriot Team Captain, Vista del Lago High School, Folsom, CA **Nov 2014- Apr 2015**

- Founded the team, recruited members, led the team to three consecutive wins the first year
- Worked to fix security exploits in various operating systems including Windows 7, Ubuntu

Certified Student Pilot, EAA Young Eagles Program, Sacramento, CA **Mar 2012 - Jan 2014**

- Helped build fuselage, brakes and wiring, and other components in an RV-12 aircraft

FIRST Tech Challenge, Folsom, CA **Sep 2011 - Mar 2015**

- Captain for 2 years. Qualified to the world championship two years consecutively
- Built and programmed an autonomous and driver operated robot

HONORS & AWARDS

• **Pathway to Engineering Award - Vista del Lago High School** **May 2015**
• **Eagle Scout** **Sept 2012**

Skills

Languages: Python (Experienced), Java (Experienced), JavaScript (Novice), C (Novice)

Applications: SolidWorks, Autodesk Inventor, PTC

Laboratory Equipment: Oscilloscope, SPI Probe, Digital Multimeters, Soldering Iron

Platforms: Raspberry Pi, Beaglebone Black, Arduino, Android

ADDITIONAL INFORMATION

Interests: Computer Vision, Machine Learning, Robotics, Soccer, Snowboarding, Backpacking