ROHUN ATLURI

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Skills

LANGUAGES

Python
Java
C/C++
Go

PLATFORMS

Linux
Android
Beaglebone Black
Raspberry Pi
Arduino

OTHER

Machine Learning (Novice)
Computer Vision (Novice)
ROS (Novice)

Education

Georgia Institute of Technology - BS Computer Science

Relevant Coursework: Object Oriented Programming • Data Structures and Algorithms • Honors Discrete Math • Computer Organization and Programming • Computer Systems and Networks • Linear Algebra • Calculus III • Design and Analysis of Algorithms • Artificial Intelligence

Employment

AutoRally — Georgia Tech Institute for Robotics and Intelligent Machines, Atlanta, GA

Undergraduate Research Assistant — Sep 2016 to Present

- Develop perception/deep learning algorithms to teach scale rally cars to drive aggressively
- Develop infrastructure to interpret position of a second car using computer vision

Anvaya Solutions — Folsom, CA

Software Engineering Intern — Jun 2016 to Aug 2016

- Developed scripts and apps to expedite internal business processes
- Automated 2 hours of work per day, saving employees a significant amount of time
- Developed tools to be used in penetration testing for CA Department of Technology

Intel Corporation — Folsom, CA

Software Engineering Intern — Jul 2016 to Aug 2016

- Worked in accordance with another intern to manipulate S-Parameter values, calculate interconnections
- Developed C# library to perform mathematical functions on S-Parameters and ABCD values

Naval Postgraduate School — Monterey, CA

Engineering Research Intern — Jun 2015 to Aug 2015

- Worked with astronauts, professors, military officers, and PhD students, completed 2 successful 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

Monterey, CA

Engineering Research Intern — Jun 2014 to Aug 2014

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

Selected Projects

Mach One • SwampHacks — Jan 2017

- Worked With a team to develop a new method of data transfer between devices through sound
- Encoded data into 16 different frequencies and transmitted in 1/2 byte segments
- Developed frontend in Swift and performed all signal processing (encoding/decoding) in C

DroneCode • Aerohacks — Nov 2016

- Worked with a team to program a drone to autonomously follow the user
- Utilized histogram oriented gradients in OpenCV to track a person
- Implemented controls by using Node.js and Python over localhost

Awards

HackGT · HackGTeeny 2015 Winner — 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

Leadership/Activities

HackGT Executive Board · Operations Team Member — Nov 2016 to Present

- Plan and run HackGT, Georgia Tech's hackathon attended by 1300+ students from across the country
- Organize venues, programming, sponsorship, transportation, buses, etc.
- Organize events for GT hackers such as mini hackathons, social events, etc.