

HARISH BOMMAKANTI

Austin, TX | 510-737-1976 | harish.bommakanti@utexas.edu

linkedin.com/in/harishbommakanti | github.com/harishbommakanti | harishbommakanti.github.io

EDUCATION

The University of Texas at Austin	<i>Bachelor of Science in Computer Science</i> GPA: 4.0	May 2024
--	--	----------

Relevant Coursework: Data Structures, Computer Architecture, Robot Learning, Discrete Math, Introductory Probability/Statistics

Teaching Assistant: Elements of Computers/Programming

EXPERIENCE

Robot Perception and Learning Lab , Austin, TX	October 2020 – Present
---	------------------------

Undergraduate Research Assistant

- Integrated and tuned a set of evaluations for the PPO reinforcement learning algorithm in Python to benchmark Robosuite, the modular robotics and robot learning framework.

NASA STEM Enhancement in Earth Science (SEES) Internship , Austin, TX	June 2018 – July 2018
--	-----------------------

Intern

- Centralized NWS Precipitation Estimation data via REST endpoints with JavaScript frameworks to host on UT Austin's Center for Space Research (CSR) website.
- Developed a Python script to automate a task done by the project mentor, saving 10 minutes of clicking a day.

PROJECTS

Redaction Programming Language – Java

- Built an interpreter for a scripting language with syntax inspiration from Java, JavaScript, and Python.
- Demonstrated complicated language design concepts such as scoping and environment chains.

Weather Prediction – Python

- A script to generate a 2-day weather forecast from the current day given data from the past week.
- Applied time series modeling to form a temperature curve that accurately reflects past data.

FRC Scouting Web Application – JavaScript, HTML/CSS, Jekyll

- Designed a web app for the robotics team to automate the process of gathering team data at events.
- App utilized both offline and online data gathering/processing due to internet restrictions at events.

ACTIVITIES & LEADERSHIP

Rouse Robotics Club , Leander, TX	August 2016 – July 2020
--	-------------------------

Software Lead, Electrical Lead, Program Manager

- Wrote sustainable LabVIEW code and built electrical systems for FRC robots while tutoring new members.
- Nominated for the FRC robotics Dean's List award in 2018 and 2019 due to notable dedication to the team.
- Attended the FRC World Championships twice in our starting 3 years.

SKILLS

Programming Languages: Java, Python, C, JavaScript, HTML/CSS, LabVIEW

Technologies: Git/Github, Linux, WSL, Bash, Zsh

Languages: Fluent in English, Conversational in Telugu

Work Eligibility: U.S. Citizen – Eligible to work without restrictions or sponsorship