

Rohan Yarlagadda

Newark, Delaware | (302) 367-3692 | rohan3yarlagadda@gmail.com | [LinkedIn](#)

EDUCATION

University of Delaware, Newark, DE

Expected Graduation 2024

BS in Computer Science

GPA: 3.5

Relevant Coursework: Machine Learning, Operating Systems, Logic for Programming, Data Structures, Programming, Web-Design, Algorithms, Data Mining, Automata Theory, Computer Vision, Artificial Intelligence

WORK EXPERIENCE

Clemson University, Clemson, South Carolina

June 2023 – September 2023

Research Intern

- Worked together with graduate students and professors to develop a neural network to predict and generate engineering models for specific uses and inputs
 - Self-taught Gmsh to mesh structural models
 - Used Abaqus for stress testing engineering models

UD Undergraduate TA, Newark, DE

September 2022 – December 2022

Teaching Assistant

- Overseeing discussion section for General Chemistry (CHEM103)
 - Teaching/reinforcing topics covered in lecture
 - Proctoring quizzes and tests

Composites Automation LLC, Newark, DE

June 2022 – September 2022

Summer Intern

- Collaborated with senior mechanical engineers for NASA sponsored research project to port external Python scripts to built-in TCL/TK scripting interface in HyperWorks. This eliminated export, parsing and modification of large model datasets from HyperWorks.
 - Self-taught TCL/TK and implemented script logic in TCL
 - Demonstrated script functionality in HyperWorks for engineering analysis problems

UD Center for Composite Materials, Newark, DE

June 2017 – August 2021

Research Intern

- Starting with the summer of 9th grade, worked as a research intern at the Center for Composite Materials to manufacture and test custom made carbon fiber AFO's (ankle foot orthoses) for stroke rehab patients.
 - Composite manufacturing – pattern nesting software, part manufacturing, and performance assessment
 - Image analysis for part quality assessment using ImageJ
 - Gait & motion analysis software for assessment of human biomechanics

PROJECTS

UD CIS Scheduler

March 2022 – May 2022

- Created a scheduler that helps computer science majors select their courses and plan out future semesters
 - Tech stack: HTML, Typescript, and ReactJS

Pokedex API

April 2021 – May 2021

- Created a pokedex API and implemented a GUI for easier usage and better interaction
 - Tech stack: Java and Swing library

Raspberry Pi Etch A Sketch

April 2021 – May 2021

- Implemented Etch A Sketch into Raspberry Pi on Sense Hat
 - C programming knowledge

SKILLS

- *Languages:* Java, Python, C++, C, Typescript, Javascript, HTML, TCL/TK
- *Technologies:* ReactJS, AWS
- *Certifications:* AWS Cloud Practitioner, AWS Solutions Architect Associate (In-Progress)