

Daksh Dua

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Education

UNIVERSITY OF TEXAS AT AUSTIN | BS IN COMPUTER SCIENCE, MAY 2023 | GPA: 4.00

- Pursuing Core Texts and Ideas Certificate
- Relevant Completed Coursework: Data Structures, Discrete Mathematics, Multivariable Calculus, Computer Organization & Architecture, Statistics & Probability, Autonomous Intelligent Robotics
- Current Coursework: Principles of Computer Systems (OS), Auton. Intelligent Robotics II, Matrix Calculus

WEST WINDSOR-PLAINSBORO HIGH SCHOOL SOUTH | 2015-2019 | UNWEIGHTED GPA: 4.00

Relevant Qualifications

SKILLS

- Skills: Java, C, C++, HTML, CSS, Javascript, Node.js, PostgreSQL, ROS, gRPC, Bootstrap
- Fluent in English, Spanish and spoken Hindi

LEADERSHIP AND INVOLVEMENT

- Senate of College Councils | Technology Coordinator (2020 - Present), Academic Policy At-Large (2019-20)
 - Developed full-stack voting platform solution to be used during organization meetings using Node.js
 - Spearheaded website modernization and ADA compliance
- Code Orange | Volunteer Tutor (2019 - Present)
- Robotics | Mentor for FIRST Lego League (FLL) team (2017-18), FLL Jr. Summer Camp Director (2017-19)
- Cross Country | Varsity (2018-19), Team Captain (2018-19)

ORGANIZATIONS

- Freshman Research Initiative, Information & Systems Security Society, Association for Computing Machinery
- FIRST Robotics Competition (FRC) Team 1923 – 2nd place worldwide
 - Director of Programming - Taught 50+ programmers Java, programmed driver/autonomous robot functions
 - Driveteam Member - Operated robot at competitions

Past Experience

CNS INVENTORS FELLOW | UNIVERSITY OF TEXAS AT AUSTIN | SUMMER 2020

- Paid fellowship for remote robotics research, using Gazebo and gRPC to simulate the Boston Dynamics' Spot

ROBOTICS CAMP COUNSELOR | UNIVERSITY OF TEXAS AT AUSTIN | SUMMER 2020

- Remotely taught high schoolers to program in C++ with ROS, using Gazebo for robot simulation

CANVASSER | NJPIRG/ENVIRONMENT NJ | SUMMER 2018

- Raised money door-to-door to ban plastic and polystyrene and to stop the overuse of antibiotics

LIFEGUARD | PRINCETON FITNESS AND WELLNESS | 2017-2019

- Monitored patrons, organized pool resources and managed pool chemicals

HONORS

- FRC Chairman's Award – most prestigious award in FRC
- Google Code-in Prize Recipient
- National Merit Scholarship Recipient
- National AP Scholar & AP Scholar with Distinction
- National Honors Society
- NJ States Debate Public Forum Semifinalist