

Duy Ha

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EDUCATION

Rice University Graduation Date: May 2024 (Expected)	B.A. Computer Science GPA: 3.58
Northeast Lakeview College Advanced Track: College Pre-Calculus to Calculus II Graduation Date: May 2020	Associate of Liberal Arts GPA: 4.0
Judson Early College Academy Valedictorian Graduation Date: May 2020	Texas Distinguished Achievement Program GPA: 4.0

WORK EXPERIENCE

Rice Networks Group, Summer Research Intern +Assisted in assembling and optimizing the Autonomous, Sensing, Tetherless Networked Drones (ASTRO) platform +Utilized RENEWLab open-source mMIMO toolbox to perform beamforming experimentation on ASTRO drones	May-Aug. 2021
Mathnasium of Converse, Part-time Employment +Instructed over 100 students with mathematical comprehension and application +Improved students' performance in their math classes by 20%; standardized test scores by 30%	May 2019-Aug. 2020
Tech Skills on Wheels, IT Summer Internship +Delivered technological aid and STEM education to households with less than \$25,000 income +Mentored students participating in NASA's Apollo Next Giant Leap Student (ANGLes) robotics challenge	Jun-Aug. 2019

TECHNICAL EXPERIENCE/PROJECTS

Rice Efficient and Intelligent Computing (EIC) Lab, Summer Research Project +Used PyTorch to familiarize source code of novel pruning technique for Efficient Machine Learning Toolbox (EMLT) +Implemented and fine-tuned neuron pruning with polarization regularizer for EMLT	May-Aug. 2021
Team IV League; Portable IV Stand, Engineering Project +Tasked with constructing a portable IV stand for Hospital de Amor, Brazil's most advanced oncological hospital +Team lead for the design block for a spring-expansion mechanism for the stand's shaft	Aug-Dec. 2020
Rice Emerging Scholars Program, 6 weeks STEM Enrichment Program +Coding Project: Created a complex simulation of a zombie apocalypse in Python using graphs	Jun-Aug. 2020
Google CSSI, STEM Enrichment Program +Completed the Coursera's Algorithmic Toolbox course from UC San Diego within 2 weeks	Jun-Aug. 2020
MIT's LLCipher, Cybersecurity Workshop +30 nationwide students were to attend competitive cybersecurity workshop taught by MIT professors	Aug 2019

INVOLVEMENT

Rice Eclipse Rocketry Club +Research and develop hybrid rocket engines and compete in Spaceport America Cup	2020-Present
Rice Computer Science Club +Networking community organization with mentors and fellow CS peers	2020-Present
Rice Vietnamese Student Association +Representing Vietnamese culture and awareness at Rice campus	2020-Present
FIRST Tech Challenge +2017-2020 Assistant Lead Programmer +Implemented coding algorithm that led our team to place Top 5 in the Central-Coastal Texas Regionals +Team received several awards every year including 2 Inspire Awards (highest distinction achievable in FIRST)	2016-2020

AWARDS

The Gates Scholarship +Full-ride scholarship awarded to 300 nationwide applicants; 50% of recipients attend Top 10 universities	2020
APIA Scholar Finalist +Finalist applicant for \$40,000 scholarship awarded to underserved Asian and Pacific Islander Americans	2020
San Antonio MLK Scholar +Issued by the San Antonio MLK Jr. Commission; recognized strong commitment to leadership and equality	2020
QuestBridge National College Match +Admitted to Rice University with full-ride scholarship as a low-income student	2019
FIRST Tech Challenge Awards + Inspire Award (2018, 2019) Team is an inspiration to other teams and demonstrates gracious professionalism + Think Award (2016, 2019, 2020) Best robotics documentation and quality of high-efficiency mechanism + Design Award (2016, 2018) Cohesive and effective design	