

Nicholas Talton

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EDUCATION

University of Virginia (GPA: 3.612/4.0)

Charlottesville, VA

Anticipated B.S. in Computer Engineering 2024

Classes taken: Programing & Data Representation, Theory of Computation, Advanced Software Development, Electrical and Computer Engineering I/II/III, Digital Logic Design, Ordinary Differential Equations, Discrete Mathematics, Linear Algebra I, Multivariable Calculus, Machine Learning, Cybersecurity

Tabb High School

Yorktown, VA

High School Diploma 2016-2020

Governor's School for Science and Technology in conjunction with Thomas Nelson Community College

SKILLS

Python/Python Iron, C++, Java, C, Matlab, HTML, CSS

PROFESSIONAL EXPERIENCE

UVA Student Tutoring

Charlottesville, VA

Math, Physics, Chemistry, and Computer Science Tutor

September 2021 – Present

- Tutoring service offered to engineering students at the University of Virginia
- Effectively managed a demanding and successful tutoring schedule for over 20 students while being a full time student

NASA

Hampton, VA

Intern

June 2020 – August 2020

- An in depth application and extension of the previous mentorship research by comparing several methods for animating CAD structures for space structures..
- Animation applications included: SpaceClaim, SpaceClaim-Motion, Algoryx Momentum

CyberPatriot Team

Yorktown, VA

Leader/Mentor

June 2019 – Present

- Leadership position in charge of multiple teams to carry out the objectives for teaching, training , and offering insights of how to overcome challenges found in a cyber security competition.
- Overseeing hands-on experience for vast cyber security competition knowledge to high school competitors.

PROJECTS

University Class Organizer/Study Buddy Finder

February – Present

Created a Django based website along with 4 other people that used UVA's class API to coordinate study times with other students in the same classes.

Community Environmental Infrastructure Improvements Research

August 2020 – December 2020

Conducted local research in the community about how to improve surface water irrigation and mitigate flooding by offering enhancements to neighborhood communities and roadway designs.

AWARDS AND HONORS

University of Virginia Dean's List, Platinum level CyberPatriot 2nd & 3rd in state, Junior Surface Navy Warfare Award, 5th Nationally for JROTC Academic Bowl

ACTIVITIES

NJROTC Operations Officer

September 2019 – June 2020

Cavalier Autonomous Racing

December 2022 – Present

CyberPatriot

September 2016 – Present

UVA Survivor Club

August 2021 – Present

Local Food Bank Volunteering

August 2020 – Present

Immaculate Conception Catholic Church Volunteering

2010 – Present