Christopher Kildea

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EDUCATION

VIRGINIA TECH
B.S., Computer Science, Expected Graduation 05/2026
- GPA: 3.71/4
- Relevant Coursework: CS Software Design and Data Structures (Java), CS Intro to Computer Organization (C, Assembly, Bash, Linux), CS Intro to Problem Solving in CS (Python, SQL, HTTP), CS Intro to Software Design (Java)

High School Diploma, 06/2022
Steinert High School, Hamilton NJ
- Weighted GPA: 4.56/4

SKILLS

- **Programming**: C/C++, Python, Java, C#, Lua
- **Frameworks/Engines/Environments:** ROS, Unity, Linux
- **3D Modeling**: SOLIDWORKS, Blender
- **Fabrication**: CNC Routing, 3D Printing

WORK EXPERIENCE

ETS, EWING, NJ   05/2023-06/2023
AP Intern
- Cooperated with two interns and a team of site leads to solve technical issues, inspect computers, and manage payments to support the 2,500 on-sight graders for the 2023 AP exams.
- Traveled to Salt Lake City, Utah, and then Tampa, Florida to perform these responsibilities

HUME CENTER, BLACKSBURG, VA   09/2022-05/2023
Cybersecurity & Extended Reality Volunteer Researcher
- Collaborated with a professor and fellow student to create a virtual reality experience that teaches users common cybersecurity principles
- Employed C# and the Unity game engine

SIX FLAGS GREAT ADVENTURE, JACKSON , NJ   06/2022 - 08/2022
Ride Operator
- Operated six high-speed rides and communicated to maintenance errors that would occur
- Directed large groups of parkgoers to facilitate a safe ride experience

EXTRACURRICULARS

- RoboGrinder DJI Robotics Team, Virginia, Blacksburg, VA   03/2023 - Present
  - **Computer Vision Subteam,**
    - Developed advanced robotic solutions using ROS 2, C++, and Python, integrating software and hardware for enhanced efficiency
    - Implemented a real-time sensor data visualization system using Python and GraphQl to display hit locations on a monitor
- Galileo Engineering Living Learning Community   09/2022-05/2023
- FRC Robotics Club   09/2018-04/2023
  - **Innovation Captain**, Managed a seven-person team in the conceptualization and design   12/2020-04/2021
    of a bed sheet that monitors its users' sleep patterns
  - **Design Captain**, Led twelve team members in the design of a robot in SOLIDWORKS   12/2021-04/2022
  - **Driver**, Drove the robot and communicated strategy with allianced teams to   12/2021-04/2022
    allow for the efficient employment of the individual robots' diverse strengths
- Math League   04/2021-05/2022
- Boy Scouts   09/2015-09/2021
  - Final Rank: **EAGLE SCOUT**
- New Jersey Boys State   06/2021-06/2021

HONORS & AWARDS

- Spring Dean's List   05/2023
- Fall Dean's List   12/2022
- Paul Tuliano Scholarship   12/2022
- Trenton Irish Heritage Scholarship   05/2022
- Football Academic Award for Outstanding Academic Achievement   12/2019