

# Chris Howard

[GitHub](#) | [LinkedIn](#)

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## EDUCATION

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VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Blacksburg, Virginia

-Bachelor of Science in Computer Engineering - Graduation 05/2026

- Concentration in Chip Scale Integration
- Secondary focus: Micro/Nanosystems
- GPA: 3.1
- Notable Skills: C, C++, JavaScript, R, React, MATLAB, Innoslate (MBSE), Verilog, Python, HTML, CSS

## PERSONAL WORK EXPERIENCE

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TITLE: SYSTEMS & SOFTWARE ENGINEERING INTERN

Manassass, Virginia

Company: SPEC INNOVATIONS

05/2023 - 10/2024

- Published manufacturing security optimization guidelines for computer hardware through the National Defense Industrial Association - presented at the 27th Annual Systems & Mission Engineering Conference.
- Collaborated with the dev and systems teams to implement AI assistant into Innoslate Software in order to optimize business' efficiency and marketability.
- Created and implemented bug testing methodology to optimize further patch testing time.
- Managed and resolved customer support inquiries related to specific feature requests.

Title: CONTROLS SUBTEAM MEMBER

Blacksburg, Virginia

COMPANY: BOLT AT VIRGINIA TECH

11/2022 - Current

- Bolt is a specialized design team with a mission to design and build custom electric motorcycles.
- Co-developed and implemented GPS tracking for advanced data tracking to allow for precise data capture using geolocation techniques with REACT.

Title: UNDERGRADUATE TEACHING ASSISTANT

Blacksburg, Virginia

COMPANY: VIRGINIA TECH

08/2024 - Current

- Undergraduate Learning Assistant for ECE 2804 - Integrated Design Project.
- Current Project: Wireless Sensor Node.
- Project guides students to building autonomous sensor node for forest-fire tracking.

Context: [Project Link](#) | My [Implementation](#) of the project.

## PERSONAL PROJECT

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Title: Game Design on TI MSP432 Board:

- Employing hardware abstraction layer knowledge using C, this project follows the implementation of the dinosaur offline game found in Google Chrome with some modifications.
- Game allows for player control, random object generation, scoring, memory, and time control.

[Link](#)

## ADDITIONAL INFORMATION / ACCOMPLISHMENTS

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- EAGLE SCOUT - Class of 2019 | Virginia Tech Dean's List - 2022

