

# Nick Hudack

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## Education

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### Bachelor of Science in Computer Science

August 2019 – May 2022

Virginia Polytechnic Institute and State University (Virginia Tech)

Blacksburg, VA

- Graduated *magna cum laude*.

## Work Experience

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### Software Engineer

May 2022 – Present

Alarm.com

Tysons, VA

### Cashier

December 2018 – March 2022

Wegmans Food Markets

Leesburg, VA

- Scanned and bagged items efficiently while conversing with customers.
- Developed memory of locations and codes of merchandise.
- Assisted customers in locating items and transporting groceries to their vehicles.

## Projects

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### Virginia Tech Advisor Assigner

JavaScript · Python

- Worked with a small scrum team to overhaul Virginia Tech's system for distributing and managing students among advisors.
- Met with our client to discuss project requirements and demonstrate our progress.
- Created and deployed a full stack web application using Docker and Kubernetes.
- Utilized Flask for the backend and Chart.js for visualizing student distributions among advisors.

### Personal Website

JavaScript

- Created a website to showcase my projects, resume, and social media.
- Utilized React to provide relevant information about myself, as well as links to my various projects on GitHub and other sites.

### Geographic Information System

Java

- Created a program for indexing and accessing geographic features and information.
- Implemented a variety of data structures, such as hash tables and point-region quadtrees.

### Thread Pool

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- Created a program for executing work on a customizable number of worker threads.
- Implemented a global task queue and individual worker queues with a work-stealing approach.

## Technical Skills

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- **Languages:** Java, Python, C, C++, C#, Swift, Kotlin, JavaScript, HTML, CSS, SQL
- **Tools & Technologies:** Git, Linux, React