

VAUGHN KNIGHT

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OBJECTIVE

Motivated Computer Science student seeking full-time opportunities to apply technical skills and problem-solving abilities in innovative engineering projects.

EDUCATION

B.S. Computer Science, May 2026

Virginia Polytechnic Institute & State University (Virginia Tech), Blacksburg, Virginia
GPA, Overall: 3.19/4.0

PROJECTS

NBA 2K Blacktop Team Generator | HTML, CSS, JavaScript

- Built an interactive web app that automatically creates balanced teams for NBA 2K Blacktop mode, reducing setup time for casual play.
- Designed and implemented JavaScript algorithms to randomize and distribute players evenly based on user input.
- Developed a responsive user interface with CSS and used HTML to structure input forms and team outputs.
- GitHub Link: <https://github.com/vaughnknight13/NBA2KBlacktopGenerator>

Spotify Stats Displayer | Python, Flask, HTML, CSS, JavaScript, Spotify API

- Developed a full-stack web app that visualizes personalized Spotify listening statistics including top artists, songs, and genre distribution.
- Integrated Spotify API with a Flask backend using OAuth 2.0 authentication to securely access and display user's Spotify data.
- Designed an interactive frontend featuring dynamic data loading, custom pie charts with Chart.js, and a modern glassmorphism UI.

COMPUTER SKILLS

- Programming Languages: Python, Java, C, JavaScript
- Software & Tools: GitHub, Visual Studio Code, Eclipse, MATLAB
- Web Development: HTML, CSS, JavaScript

ACTIVITIES

National Society of Black Engineers (NSBE), Undergraduate Council, 2022 – Present

- Coordinated community events while supporting outreach and external partnerships.

Alpha Phi Alpha Fraternity, Incorporated., Corresponding Secretary, 2023 – Present

Organized events and service initiatives, managed chapter communications, and maintained the fraternity website.

National Pan-Hellenic Council (NPHC), Vice President, 2025 – Present

- Oversaw council-wide event planning and strengthened campus collaboration.