

Patrick Vyn Badiang Smyrna, DE

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Education

Virginia Tech, Blacksburg VA

Expected graduation May 2026

- ❖ Major: Computer Science
- ❖ Relevant Coursework:
 - Data Structures and Algorithms I and II | Computer Organization I | Discrete Math | Calculus I and II | Multivariable Calculus | Foundations of Physics I and II

Skills

Programming Languages: Java, Dart, C#, JavaScript, HTML, CSS

Libraries and Frameworks: Flutter, Reactjs, Firebase, MaterialUi

Source Code Management: Github, GitLab

Operating System: Linux, MacOS

Tools and Platforms: Vercel, Figma

Software Developer Experience

Software Developer | Pet Cent | Personal Project | *(Full Stack) Flutter*

July 2024 - Present

- ❖ Architected and implemented real-time data synchronization with Firebase, enhancing user engagement and data consistency.
- ❖ Integrated OpenID Connect using Google and Apple for sign-up and sign-in authentication.
- ❖ Managed entire development lifecycle, from concept to deployment on app stores.
- ❖ Developed cross-platform mobile application using Flutter, enabling seamless user experience across iOS, Android, and web platforms.

Web Developer | Filipino American Student Association | *(Front End) Reactjs*

June 2023 - December 2023

- ❖ Built dynamic web application using Reactjs and Material-Ui for 150-200 users.
- ❖ Curated responsive website for various devices, ensuring optimal user experience across platforms.

Hackathon Participant | HackViolet | *(Ui Designer) Unity*

February 2023

- ❖ Led a team of three engineers in the development and release of a mobile fitness app within a 24-hour timeframe.
- ❖ Managed source control using GitHub and provided mentorship on GitHub and Unity to team members.
- ❖ Demonstrated effective problem-solving skills and teamwork.

Game Developer | Personal Project | *(Head Developer) Unity*

June 2021 - August 2023

- ❖ Independently acquired skills in Blender and GIMP to create 3D models, UI art, and concept art for a game environment.
- ❖ Utilized Unity ScriptableObjects and data structures to enhance the game's flexibility and expandability.
- ❖ Designed and implemented a fully functional AI system, introducing dynamic "enemies" to the game environment.

Work Experience

Dining Service Student Employee | Virginia Tech

October 2023 - May 2024

- ❖ Worked collaboratively with team members to ensure smooth operation of dining services, including restocking supplies and supporting kitchen staff during peak hours.
- ❖ Managed time effectively to balance serving duties, cleaning responsibilities, and cooking tasks, ensuring efficient workflow and minimal downtime.

Web Developer Officer | Filipino American Student Association

May 2023 - present

- ❖ Initiated a comprehensive overhaul of the organization's web presence with a team of two, resulting in the creation of a user-friendly website.
- ❖ Enhanced technology accessibility for members, centralizing news and information for easy access.