

# Aidan B. Martin

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## EDUCATION

**Virginia Polytechnic and State University (Virginia Tech)** | Blacksburg, VA **Expected Graduation: May 2026**

*Bachelor of Science in Computer Science*

*Cumulative GPA: 3.93/4.00*

*Honors: Dean's List Fall 2022, Spring 2023*

*Relevant Coursework: Data Structures & Algorithms, Computer Organization, Software Design, Linear Algebra, Discrete Mathematics, Multivariable Calculus, Applied Combinatorics, Mobile Software Development*

## TECHNICAL SKILLS

*Programming Languages: Python, Java, Javascript, Swift (iOS), MATLAB*

*Version Control & Other Technologies: Git, GitHub, GitLab, SQL, Docker*

*Markup Languages: HTML, CSS*

*IDEs: VS Code, Eclipse, Xcode*

*Operating Systems: Windows, macOS, Raspberry Pi OS*

*CAD & 3D Modeling: SOLIDWORKS, Autodesk Fusion 360, Blender*

*UI/UX Design & Creative Software: Figma, Adobe Creative Cloud Suite*

## PROJECTS

**Personal Portfolio Website** | In-Progress Personal Project **August 2023 - Present**

- Responsive website designed using Figma and developed using HTML, CSS, and Javascript.
- Serves as an online resume and photography portfolio.
- Future Plans: Continue finalizing website development and deploy using Netlify.

**Vertical-Axis Wind Turbine** | Foundations of Engineering Class Project **January 2023 - May 2023**

- Worked in a team of six over the course of a semester to develop and build a prototype vertical-axis wind turbine.
- Final blade design was modeled and tested in SOLIDWORKS using CFD.
- MATLAB was used to evaluate our predicted and experimental power output results.

**Photography "Viewfinder" App** | In-Progress Personal Project **July 2022 - Present**

- iOS app to preview the field of view of camera / lens pairings using Swift, SwiftUI, and Xcode
- Introduced to mobile app development while working on a tool that would be personally useful.
- Future Plans: Apply skills and best practices learned at a collegiate level to publish a finished product.

**Martin Aviation Photography** | Photography Business **October 2021 - Present**

- Accumulated large portfolio of aviation images, specializing in high-speed photography of aircraft in flight.
- Recent work includes two air-to-air photoshoots with RVA Flyers, a flight school based at RIC.
- Next steps include migrating the portfolio to a self-developed responsive website using HTML, CSS, and Javascript.

## EMPLOYMENT EXPERIENCE

**Guest Services** | Crescent Hotels & Resorts (The Spa of Colonial Williamsburg) **May 2023 - August 2023**

- Interacted with guests in a welcoming and professional manner to reflect the facility's Forbes 4-Star rating.
- Communicated effectively under pressure to safely handle emergencies and crowds across three pools.

**Photographer and Graphic Designer** | Running Lights Beverage **February 2023 - August 2023**

- Created photo-realistic 3D product renderings using Autodesk Fusion 360 and Blender.
- Utilized graphic design software to combine product photography and 3D renderings into digital and print advertisements.

**Airport Maintenance and Media Assistant** | Williamsburg Jamestown Airport (JGG) **February 2022 - August 2022**

- Worked in a small team to assist with general facilities maintenance and design of social media advertisements.
- Photographed airport events, aircraft, FBO interior/exterior, and employees.