

Briana Rosado

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EDUCATION

University of Maryland College Park | Interdisciplinary Business Honors College Park, MD
B.S. Computer Engineering Aug. 2024 – May 2028

- **GPA:** 3.94
- **Honors:** Banneker/Key Full Tuition Scholarship
- **Relevant Coursework:** ENEE 290, ENEE 101, CMSC 132, CMSC 216, CMSC 250
- **Concepts:** Data structures & algorithms, digital logic, low-level programming, mathematical proofs
- **Extracurriculars:** UMD Honors Program Ambassador, Satellite Development (THEIA CubeSat), Women in Engineering, Association for Women in Computing, Women in ECE, UMD Women's Crew

TECHNICAL SKILLS

Languages: Java (intermediate), Arduino (intermediate), C (intermediate), HTML/CSS (intermediate), Python (beginner), C# (beginner), JavaScript (beginner)
Developer Tools: AutoDesk Fusion 360 (advanced), Mathematica (intermediate), MatLab (intermediate), VS Code (intermediate), Eclipse (advanced)
Other: Excel, Microsoft Office Suite, Google Sheets, Google Slides

EXPERIENCE

Summer Lead | Satellite Development Program Aug 2024 - Current
University of Maryland College Park, MD

- * Developing 6U CubeSat "THEIA" for testing Event-based imaging
- * Researching hardware and systems for Guidance & Navigation Control subsystem team
- * Applying satellite simulation (D2S2) to determine power budget, uplinking, and attitude and control errors

Barista Aug 2022 - Current
Gong Cha Bel Air, MD

- * Delivered fast, friendly service to over 200 customers per shift in a high-paced team environment
- * Maintained cleanliness and organization in food prep and service areas

PROJECTS

Personal Website | HTML, CSS, JavaScript, Web Development Aug 2024 – Dec 2024

- * Viewable here briana-rosado.work
- * Designed and developed a responsive, visually appealing personal website in Visual Studio Code
- * Showcases professional background and projects with a clean, intuitive layout, optimized for performance, accessibility, and cross-device compatibility

Fire Suppression Vehicle | AutoDesk Fusion 360, Arduino, Soldering Aug 2024 – Dec 2024

- * Led team of 7 engineers through semester long project to design Over-Terrain-Vehicle (OTV) to navigate obstacle course & extinguish flames on pedestal
- * Fabricated Fusion 360 model of OTV and generated component schematics for manufacturing

ASL Website Development | HTML, CSS, JavaScript, VS Code, JASigning June 2023 – May 2024

- * Launched local website hosting animations of an avatar signing in American Sign Language for retail application
- * Utilized JASigning, HamNoSys, and SiGML to generate animations & tested usability amongst employees

Line Following Robot | Soldering, AutoDesk Fusion 360/Eagle, PCB Design Sep. 2023 – Dec. 2023

- * Engineered line following robot which functioned without user code
- * Manufactured and soldered functioning PCB with surface mounted and through-hole circuit components