Josh Stasior

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EDUCATION

Duke University **August 2023 - Present**

Bachelor of Science in Electrical and Computer Engineering and Computer Science, 3.75/4.00 GPA *Durham, NC*

- Relevant Coursework: Engineering Design & Communications, Data Structures and Algorithms, Fundamentals of Electrical & Computer Engineering, Calculus II w/ Applications, Matrices & Vectors, Probability & Statistics
- Hobbies and Extracurriculars: Photographer for Duke Chronicle Newspaper, Member of Duke Formula SAE Racing Team, Sports Analytics Team Member, Member of Theta Tau Engineering Society, EGR 102 Member

Mountain View High School **August 2019 - June 2023**

Highschool Student *Mountain View, CA*

- GPA: 4.0 Unweighted, 4.78 Weighted; SAT: 1570/1600 (800 Math, 770 Reading + Writing)
- Relevant Coursework: AP Computer Science A (Java), AP Physics C Mechanics / E&M, AP Calculus BC, Advanced CS (Java Data Structures), AP Macroeconomics
- Hobbies and Extracurriculars: Marching Band Drum Major, Team leader in Computer Science Club, AVID Tutor, "Botball" Robotics Competition Team Member, Symphony Orchestra Member, Piano Player, Tennis Player, Photographer, Social Media Account Owner (10,000+ followers)

Technical and Leadership Experience

Duke Sports Analytics Club **September 2023 - Present**

Data Analyst *Durham, NC*

- Analyst of dynamic four-person team working on a cutting-edge baseball project.
- Focus involves leveraging statistical analysis and past data to explore strategic nuances within the game.
    - Specifically, we are investigating how seemingly small actions, such as bunting and stealing, impact a team's overall run production and subsequently alter the expected runs scored.

Los Altos Festival of Lights **June 2021 - August 2023**

Engineering Intern, founding member *Los Altos, CA*

- Worked with team of 5 to construct floats and design electronics for community parade
    - Developed and implemented centralized operating system and "float control system" that can be applied to simultaneously control lights, sound, and pneumatic movements on all floats in the parade.
    - Redesigned power systems on various floats (including lead float) to eliminate need for generators and air compressors to reduce the parade's carbon footprint
    - Made mechanical changes to floats including lead float to ensure that they could function efficiently
- As a founding member on the team
    - Oversaw and facilitated growth of team to 20+ members
    - Led new members in working on projects, gaining technical skills, etc.

San Jose State University **June 2022 - August 2022**

Researcher, Intern *San Jose, CA*

- Worked on team to use university databases and AI to find bottlenecks to academic success in educational departments at San Jose State University, other institutions, and education system as a whole
- Selected datasets and implemented algorithms to automate data extraction, preprocessing, and analysis

AWARDS, SKILLS & INTERESTS

- **Awards:** MVHS Academic Excellence Award, Spartan Scholar Athlete Award, AP Scholar with Distinction
- **Skills:** Java & Python Coding, Arduino programming & elementary circuit design, CAD (Fusion 360, Solidworks), Microsoft Excel, Photography: Adobe Photoshop / Lightroom
- **Interests:** Photography, Weightlifting, College and Professional Sports, Piano, Social Media / Graphic Design