Francisco H. Antunez V

fantunez04@gmail.com (704) 343-1289

Charlotte, NC, 28210

Education

University of North Carolina at Charlotte – *Charlotte, NC*   ***Expected May 2025***
Bachelor of Science in Data Science

Projects

UNC Charlotte Formula SAE Fall 2020 – Present

University of North Carolina at Charlotte, Charlotte NC

FSAE Vehicle Dynamics Team member   ***July 2023 – Present***

- Used Python to process and curve fit raw tire data to make educated choices in tire compound for the Formula SAE car
- Gained experience using simple Python GUIs as well as data output to manageable Excel files for further analysis
- Learned skills to develop software that the engineers can easily understand and cater that software to their specific needs
- Adapting a lap time simulation software to aid in design justification for the race team

Software Development Research Project   ***October 2023 – Present***

- Software development, data management, and modeling using primarily Python and MongoDB
- Front-end site development in JavaScript

FSAE EV Vehicle Dynamics Team Lead   ***November 2021 - July 2023***

- Lead suspension design for a formula-style car using 3D modeling software and kinematic simulation
- Learned skills relating to team management
- Learned to problem solve and design within strict parameters and rules requirements

Skills

Software: SolidWorks, Creo, MS Office, Siemens NX, Python, Java
Abilities: Hand tools, Hand Manufacturing, Critical thinking