ANDRIY MALYSHCHAK

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Andriy's LinkedIn Medium Blog Andriy's Github

EDUCATION

University of Texas at Austin – Austin, Texas
Bachelor of Aerospace Engineering Honors **May - 2026**
GPA: 3.93(Top 4%)
Grapevine High School Aspire Program – Grapevine, Texas **May - 2022**

- Top 2% Graduate(5.7/4 GPA)
- 1520/1600 SAT (99%+)

EXPERIENCE

UT-Austin– Austin, Texas **April - 2023**
Undergrad Researcher TX-Robotics

- Rebuilt self-driving car and am building two more similar vehicles
- Ran simulations in Gazebo with ROS2 code
- Created an ML optimization algorithm in Julia that optimizes for path

TukTuk – Austin, Texas(TukTuk) **October- 2022**
Software Engineering Intern

- Working on React.js front-end admin dashboard for ride control and optimizing efficiency by 15%
- Developing backend central "hub" identification to create a better user experience using Tile and Javascript
- Used Python/Tensorflow to optimize for ride drop-off and rider management

Texas Guadaloop Hyperloop(Guadaloop) Austin, Texas **February - 2020**
Embedded Systems Engineering

- Researched new ways of integrating low-cost VCU's while maintaining consistent power performance
- Led main sponsorship round that captured over $12,000 in funding and $3000 in sponsorship
- Designed an internal GNC system to manage pod state/shake through the five main stages of pod "flight" using Python, and machine learning regression modelling
- Set up internal communications system with SSH and built visual controller for command station with React

Bell Flight Vertical Robotics Competition **November - 2021**
President/Lead Engineer

- Led 14-person team to #1 Nationals and won Best Design and Best Presentation
- Implemented and agile prototyping strategy that moved through 8 core designs in 11 weeks
- Built a computer vision program using Open CV to guide drone through search-and-rescue course
- Validated Fusion 360 designs using FEA analysis and compression simulations

MISSION

- My main goal is to be able to contribute my skills and talent to make the world a better, more livable place than it was before. Through my passions in finance, and engineering I strive to put excellence foremost in everything I pursue.

ADDITIONAL

- Language Fluency: English(Native), Ukrainian(Native), Spanish(professional)
- Awards: Top 3 ICDC DECA qualifiers, #12 USA Chess Ranking, #1 Nationals SystemsGO Rockets
- **Work Eligibility:** Eligible to work in the U.S. with no restrictions