

Anton Yanovich

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EDUCATION

Carnegie Mellon University

Master of Science in Mechanical Engineering

Current coursework: Modern Control Theory, Computer Vision, AI/ML, Engineering Computations

Pittsburgh, PA

May 2024

The George Washington University

Bachelor of Science in Mechanical Engineering / Minor in Business

GPA: 3.68/4.0, Dean's List

Rewards & Accomplishments: Presidential Academic Scholarship, SUPER Research Fellowship, Pelton Prize Nominee, Pitch George Finalist (business pitch competition), New Venture Competition Semi-Finalist

Washington, DC

May 2023

TECHNICAL SKILLS

Software: VS Code, MATLAB, Simulink, Microsoft Office Suite, Adobe Suite

Programming Languages: Python, C++, JAVA, MATLAB, LaTeX, HTML

Operating Systems: Windows, Linux, Mac OS

CAD: Inventor, SOLIDWORKS, SolidEdge, SketchUp

Languages: English, Russian, French, Romanian

EXPERIENCE

Carnegie Mellon University (AirLab)

Research Assistant – TartanDrive

Pittsburgh, PA

October 2023 – Present

- Integrate thermal imaging sensors with the current vehicle configuration.
- Facilitate mechanical design, upgrades, and repairs.
- Develop proficiency and explore project advancements in data collection via computer vision and analysis.

George Washington University (Biofluids and Dynamics Lab)

Research Assistant – MTV to Measure Wall Shear Stress in Model Cardiovascular Flows

Washington, DC

June 2021 – August 2023

- Selected by mentors as part of the SUPER fellowship program.
- Spearheaded experimental design and assembly via coordination with mentors, collaborators, and machining staff to produce ready-to-use experimental assemblies in 50% less time.
- Provided mentorship to interning students in Python.

George Washington University

Learning Assistant – Intro to Mechanical & Aerospace Engineering

Washington, DC

September 2022 – December 2022

- Supported students in classroom discussions and administered lab activities.

Drone Point Solutions

Product Engineering Intern – In-Flight Contact Charging Assembly

Washington, DC

January 2022 – September 2022

- Presented viable designs and solutions for rapid drone-charging to meet customer needs.
- Developed familiarity with the EV, solar power, and power management industries by researching relevant technologies.
- Gained first-hand experience in strategy and growth of a technology start-up.

ACADEMIC PROJECTS

Capstone Design Project (SecuFoam)

George Washington University

Washington, DC

August 2021 – May 2023

- Integrated multidisciplinary design and concepts in an IoT-based public health project.
- Pursued incubator programs such as GWU I-Corps by performing customer discovery and elevating project value.
- Led a competitive business venture by performing and organizing market and business model research to compete in the New Venture Competition.
- Adapted project management strategies with routine planning and task analysis to streamline productivity.
- Achieved departmental project distinction and nomination for the Pelton Prize.

LEADERSHIP

Section Chair, GWU American Society of Mechanical Engineers (ASME) – Washington, DC September 2021 – May 2023

- Organized leadership board and increased participation and student membership by 300%