Tran Manh Khanh Dan

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Education

Kennesaw State University, Marietta, GA *January 2020 – Present*
Expected: May 2022
Major GPA: 4.0
GPA: 3.88

- Candidate for Bachelor of Science in Mechanical Engineering
- Member of the Vietnamese Student Association
- Member of the Society of Women Engineers

Georgia Southern University, Statesboro, GA
Major GPA: 3.98 *August 2017–Dec 2019*
GPA: 3.64

- Candidate for Bachelor of Science in Mechanical Engineering
- Member of the Society of Women Engineers

Skills

Programming:	MATLAB
Software:	Microsoft office, Google suite
CAD:	SolidWorks, MATLAB's Simscape, AutoCAD, LT Spice, Ansys
Concepts:	Statics, Linear algebra, Multivariable calculus, Discrete mathematics, Analysis, non-Euclidean geometry, Classical Mechanics, Fluid dynamics, Strength of Materials, Material Science, Quantum Mechanics, Sequence labeling, Effective communication, Data Analytics
Language:	English (Fluent), Vietnamese (Native), Spanish (Basic)

Experience

Mechanical Engineering Intern, ADCO International Plastics *May 2021 - Present*

- Design core molds for plastic components
- Operate the CNC Milling machine, CNC Lathe, Radial Arm Drills, and Surface Grinder
- Weld and followed detailed assembly instructions, processes, and procedures
- Use a variety of tools to assemble the molds

Guest Advocate, Target

- Handle payment processing duties and provide customers with receipts and proper bills and change
- Help customers find specific products, answering questions and offering advice
- Guarantee guest satisfaction and positive experience through genuine, enthusiastic, and friendly interactions

Research

Member of the Dynamics and Control Research Group *August 2021-Present*
Marietta, GA

- Design laboratory equipment using MATLAB's Simscape
- Use MATLAB's Simulink and Simscape to run simulations that model the tools designed
- Examine various mechanisms using SolidWorks

Projects

- Implemented a lithium – ion battery charging system for a bicycle
- Designed and simulated an aerial drone's arms and propellers
- Designed molds for various purposes
- Designed and implemented an aquatic drone equipped with various degrees of freedom

Awards

- President's list scholar for Summer 2019, Spring 2021, Summer 2021, and Fall 2021
- Dean's list scholar for Fall 2017, Spring 2018, Spring 2019, Fall 2019, Spring 2020, and Fall 2020