

Michael J. Dayan

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Objective

Seeking a letter of recommendation for admission to a Master of Science in Electrical Engineering program. Applications are being sent to TAMU, NCSU, VT, UF, and USF

Experience

Wolfpack motorsports FSAE team, electronics subsystem (2019-Present)

Working as a hardware engineer in a small group setting where my primary responsibility is wiring harness planning and design; in this position I utilized new diagraming software that reduced manufacturing time and minimized production errors. This work received recognition from Siemens and a \$2000 cash prize was awarded to the team for my efforts. I designed and deployed printed circuit boards for the vehicle's steering wheel and the power distribution module. Was the technical and organizational lead of a ECE senior design project at NCSU to develop a new power distribution module based on solid-state technology; we won 1st place in our judging group, and I received an individual award for excellence in mechatronics.

Education

North Carolina State University (2019-2021)

Bachelor of Science Electrical Engineering
Concentrations in nanotechnology and semiconductors

Wake Technical Community College (2016-2018)

Associate in Engineering
Associate in Science
Presidents List (Summer 2018), Deans List (Spring 2017, Fall 2018)

Skills

Software

VeSys, Altium Designer, KiCAD, LTspice, Fusion 360, FreeCAD, Klayout

Machine operation

Pick and Place machine, Conductive ink printing, CnC PCB milling, CnC Router, 3D printers, manual milling machines.

Personal Projects

Microclimate management with PID control loop

Linear dual-tracking mains isolated bench power supply

References

Available upon request.