

**Michael J. Dayan**

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***Objective***

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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***

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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 diagramming 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 1<sup>st</sup> place in our judging group, and I received an individual award for excellence in mechatronics.

***Education***

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North Carolina State University (2019-Present)

Majoring in Electrical Engineering

Concentrations in nanotechnology, integrated circuit design, and micro electronics

Wake Technical Community College (2016-2018)

Associate in Engineering

Associate in Science

Presidents List (Summer 2018), Deans List (Spring 2017, Fall 2018)

***Skills***

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Software

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

Machine operation

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

***Personal Projects***

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Microclimate management with PID control loop

Linear dual-tracking mains isolated bench power supply

***References***

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Available upon request.