GARTH L. VERDEFLOR

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EDUCATION

DARTMOUTH COLLEGE — **HANOVER, NH**
Bachelor of Engineering, Electrical Engineering — *June 2019 – June 2022*
- GPA: 3.52/4.00
- Relevant Coursework: Digital Electronics, Linear & Digital Circuits, Control Theory, Solid Mechanics

VASSAR COLLEGE — **POUGHKEEPSIE, NY**
Bachelor of Arts, Physics with Minors in Computer Science and Mathematics — *August 2017 – June 2021*
- GPA: 3.74/4.00
- Honors: UVC President's List, UVC All-Academic Team, AVCA Team Academic Award
- Relevant Coursework: Electromagnetism, Solid-State Physics, Computer Organization, Operating Systems

TUCK SCHOOL OF BUSINESS AT DARTMOUTH — **HANOVER, NH**
Tuck Business Bridge Program — *December 2019*
- Participated in a 4-week program taught by MBA faculty, providing an in-depth introduction to marketing, strategy, microeconomics, accounting, and finance, that culminated in a team-based valuation analysis of Starbucks, which included financial and strategic assessments, a DCF analysis, and a final presentation to industry executives and faculty

EXPERIENCE

IMPACT EMBEDDED — **DURHHAM, NC** (REMOTE)
Electrical Engineering Intern — *September 2020 - Present*
- Assist with component specification, schematic capture, PCB layout, and BOM definition using Altium Designer
- Manage hardware updates to 3 separate projects, making changes according to customer designs and specifications

THAYER SCHOOL OF ENGINEERING — **HANOVER, NH**
Research Assistant – Scalable Energy & Nanomaterial Electronics (SENSE) Lab — *May 2020 – August 2020*
- Characterized the interface between the human skin and a Peltier element to develop a low-power thermo-haptic device
- Designed and built a test circuit capable of driving 4 individual thermoelectric heating/cooling modules

Learning Fellow, Digital Electronics — *March 2020 –August 2020*
- Facilitated discussion and problem solving for design exercises with group of ten students, working with professor and five other fellows to teach fundamentals of digital logic design and VHDL programming

Machine Shop Teaching Assistant — *July 2019 – March 2020*
- Ensured safe design and fabrication of projects by assisting +75 students with operation of various machinery while increasing workplace efficiency by running daily maintenance routines on machines and tools

DARTMOUTH FORMULA RACING — **HANOVER, NH**
Grounded Low Voltage System — *September 2019 – March 2020*
- Aided with top-level design and component specification of electrical system, custom PCBs, and wiring harness
- Collaborated with other sub-teams to build the all-electric competition car in a cross-functional environment

VASSAR COLLEGE PHYSICS DEPARTMENT — **POUGHKEEPSIE, NY**
Research Assistant – Ultrafast Optics Lab — *January 2019 – May 2019*
- Studied the thermal and acoustic phenomena associated with monolayers of transition-metal dichalcogenides (specifically tungsten diselenide) and collected data via LabView programs controlled by a Ti-Sa pulsed laser

LEADERSHIP & ACTIVITIES

DARTMOUTH COLLEGE — **HANOVER, NH**
Dartmouth Formula Racing, Electrical Team Member — *2019 – Present*
Dartmouth Men's Club Volleyball Team — *2019 – 2020*
Dartmouth Catholic Student Organization — *2019 – 2020*

VASSAR COLLEGE — **POUGHKEEPSIE, NY**
Vassar Physics Department, Intern — *2020 – Present*
Vassar Catholic Community, Treasurer — *2018 – Present*
Nobody Leaves Mid-Hudson, Fundraising Team Member — *2018 – Present*
Vassar Varsity Men's Volleyball Team, Captain — *2017 – Present*
Student-Athlete Advisory Committee, Team Representative — *2018 – 2019*

OTHER

- **Languages**: English (native), Spanish (proficient)
- **Software**: Altium, MATLAB, VHDL, HTML/CSS/JS, Solidworks, Python, SPICE, Java, C, LabVIEW
- **Hardware:** Soldering, CNC Milling & Lathing, Laser Cutting, 3D Printing
- **Hobbies:** Running, Reading, Hiking, Yoga, Alpha Chi Alpha fraternity