MICHAEL S DANG

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EDUCATION

Dartmouth College, Hanover, NH **Jun. 2027**
Master of Engineering Management Candidate
Bachelor of Engineering Candidate in Electrical Engineering. GPA: 3.41/4.0
Relevant Engineering Course Work: Analog Circuits, Control Theory, Distributed Systems and Fields, Materials Science
Activities: Kappa Pi Kappa Fraternity, Tuck LAB: Energy, Running Club

Bard College at Simon's Rock, Great Barrington, MA
Bachelor of Arts Candidate in Physics (dual degree). GPA: 3.72/ 4.0
Associate of Arts Candidate in Liberal Arts

EXPERIENCES

Dartmouth Formula Racing Team, Hanover, NH **Sept. 2023-Jun. 2024**
Business Team Co-Lead
- Secured over $30,000 in sponsorship and donations from major corporations in New England and Dartmouth alumni through targeted fundraising campaigns.
- Led a cross-functional business team of 5 members, optimizing fund allocation and achieving a 15% reduction in operating costs.

Tuck School of Business at Dartmouth, Hanover, NH **Jan. 2025**
Business Bridge Program
- Participated in a highly selective business program, gaining expertise in corporate finance, financial accounting, marketing, managerial economics, spreadsheet modeling, and management communication.
- Conducted a team-based valuation analysis of Airbnb, which involved projecting future earnings, performing a DCF analysis, and presenting findings to industry executives and faculty.

Dartmouth Scalable Energy and Nanomaterial Electronics Lab, Hanover, NH **Jun. 2024-Sept. 2024**
Research Assistant
- Developed and implemented a remote-control system for the Keithley 2750 multimeter using MATLAB and Python, eliminating manual intervention.
- Created a sophisticated GUI that streamlined data logging, visualization, and export processes, improving efficiency in electronic device characterization by 50%.

3-D Printer Maintenance & Repair, Toronto, CA **Aug. 2020 – Jul. 2022**
Freelancer
- Successfully repaired over 100 3-D printer models, leveraging in-depth technical knowledge, and achieving a 93% customer satisfaction rate.
- Demonstrated expertise in 3-D printer mechanics, delivering efficient solutions that resulted in a 30% increase in repeat business.

Bard College E-Motorcycle Club, Great Barrington, MA **Sept. 2024-Present**
Project lead
- Spearheaded the complete electric conversion of a Suzuki motorcycle, designing and integrating a custom lithium-ion battery pack, electric motor, and control system.
- Built and calibrated safety systems, including circuit protection and emergency shut-off, to meet safety standards for electric vehicles.

Dartmouth Emerging Engineers, Hanover, NH **Sept. 2023-June. 2024**
Teaching Assistant
- Mentored and instructed over 50 first-year engineering students in Math, Physics, Chemistry, and Computer Science, enhancing foundational knowledge and academic success.
- Developed a series of interactive workshops and one-on-one tutoring sessions that enhanced student understanding and academic performance, reducing course withdrawal rates by 30% from the year prior.

SKILLS

Software Skills: Java, Python, Excel, MS Office, MATLAB, C, C++, C#, JavaScript, R, SQL, HTML/CSS, SolidWorks, LTSPICE
Machine Skills: 3-D printing (FDM, SLA), Welding (MIG, TIG), Power Tools, CNC machines, Lathes, Laser Cutting
Languages: English, Chinese