

## EDUCATION

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### MASSACHUSETTS INSTITUTE OF TECHNOLOGY

*School of Engineering & Sloan School of Management*

M.S., Engineering and Management, Finance Concentration, expected December 2025

M.S., Electrical Engineering and Computer Science, expected December 2025

- Fellow, System Design and Management
- Clubs: MIT Energy Club, MIT VC and PE, MIT Infrastructure Club

Cambridge, MA

2023 - Present

### UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

*B.S., Aerospace Engineering; Computer Science Concentration*

• Elks National Foundation Scholarship, President's Volunteer Service Award (awarded 5 years, 600+ hours)

• UCLA Camp Kesem Executive, Operations & Finance Director, UCLA Club Volleyball, UCLA Cheer Squad

Los Angeles, CA

2014 - 2018

## EXPERIENCE

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### MIT Energy Conference

*Managing Director*

- Secured \$350K+ in sponsorships and ticket revenues, doubling YoY sponsorship revenue
- Led a 40-student team to facilitate MIT's largest student-run conference with 60+ speakers and 600+ attendees
- Led negotiations leading to 20% decrease in operating expenses, implemented multi-year engagement framework

Cambridge, MA

2024 - Present

### MIT, Laboratory for Aviation and the Environment

*Research Assistant*

- Formalizing Project Financing pathways for sustainable good plants, focused on Sustainable Aviation Fuel facilities
- Investigating and guiding research in novel financial instruments to optimize supply and demand of sustainable goods
- Developing game-theoretic approach to collaborative purchasing of environmental attributes utilizing Book and Claim
- Managing the [Zero Impact Aviation Alliance](#) organized by Professor Florian Allroggen; driving industry and academic collaboration through high impact fielded sustainable aviation projects
- Researched Sustainable Aviation Fuel deployment and scaling pathways using techno-economic modeling and iso-Levelized Cost of Carbon Abatement (LCCA) approach; maintained lab's public AEIC Emissions Model
- Advised strategic direction of MIT's AeroAstro department in Aviation, Space, and Autonomy

Cambridge, MA

2023 - Present

### World Energy

*Sustainability Researcher and Intern*

- Created framework to identify novel markets for co-products of World Energy's Sustainable Aviation Fuel production
- Investigated and led financial, policy, and technical exploration of World Energy's refineries utilizing Thermal Batteries and Electric Heaters; engaged with technology suppliers, financiers, grant writers, and NGOs
- Analyzed technology pathways and offtakers for Green Hydrogen production, storage, and transportation in Canada
- Developed Book and Claim Demand Signal Recognition (DSR) pilot with Roundtable for Sustainable Biomaterials (RSB) to address clean energy FOAK financing challenges and offtake agreements

Boston, MA

2024 - 2025

### THE MATHWORKS

*Systems Engineering Tools Product Manager, Aerospace Application Engineer*

- Led 30+ developers and 20+ customer-facing worldwide engineers in System Engineering tool development; fastest-growing MathWorks' tool with 65% 2022 YoY revenue growth
- Consulted with companies (startups to OEMs) in climate tech, aerospace, and automotive industry; increased MathWorks' systems engineering tools' market share by 51% YoY

Washington, DC

2018 - 2023

### UCLA CLIMATE NANOTECHNOLOGY ENGINEERING DEPARTMENT

*Published Research Assistant for Dr. CJ Kim*

- Developed and executed DARPA-funded real-world aquatic testing of a drag-reducing, superhydrophobic ("Water Repelling") surface (SHPo); measured 30% drag reduction for sustainable commercial and defense applications
- Demonstrated first open-water successful test of a SHPo surface; ensured continued funding and published [results](#)

Los Angeles, CA

2016 - 2018

## ADDITIONAL INFORMATION

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- Technical Skills: TEA/Financial Analysis, Excel, VBA, MATLAB, Simulink, SysML, C/C++, Python, Optimization
- Hobbies: Any reason to get outside, Canoeing, Chess, Backpacking, Traveling, Triathlons, Sailing, Scuba
- Certificates: CFA Institute: ESG Investing, AWS Cloud Practitioner; Azure Fundamentals, MIT Deep Learning