

# Sushmit Dutta (He/Him)

SYSTEMS ENGINEER

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## PROFILE

Work at the intersection of engineering disciplines to be able to find levers in the system alongside exceptional teammates. Focus on energy storage systems, grid transmissions, and exploring avenues to increase energy access. Passionate about talking to people to understand their needs, and values.

## WORK EXPERIENCE

Present and Summer 2023

Lunar Energy | CA

### Systems Integration Engineer

- Developed the State-of-Charge (SOC) algorithm in conjunction with the battery team using Round Trip Efficiency (RTE) testing
- Designed and conducted tests to achieve compliance standards, and release firmware candidates for alpha systems
- Supported solving mesh and startup issues for units used for maximum power point tracking (MPPT)
- Created AWS Lambda functions to gather CAN logs from remote sites
- Generated JIRA workflow to streamline cross-team testing

Summer 2021 to Summer 2022

ALP Technologies | MA

### Systems Engineer / Scrum Leader

- Piloted the lean methodology to turn company prototype into product through two week sprints
- Led conversations to scale manufacturing by co-designing with in-house engineers and factories
- Coordinated with accelerators for Seed A funding to build test facility and manufacture initial prototypes

Summer 2021

Accenture | NY

### Consulting Intern

- Reported on Environmental, Social, and Governance (ESG) outlooks of banks in South East Asia
- Developed ESG comparison metric to rank companies in their respective fields
- Presented research at Strategic Point conference in Singapore to represent Accenture

Spring 2021

AI Robotics | Singapore

### Machine Learning Intern

- Designed tests for deterministic algorithm used by on-board sensors
- Conducted failure-analysis on edge-cases for deployment in parking lots
- Led marketing campaign (website development, promotional video) to attract investors

## EDUCATION

### Systems Engineering (Bachelor of Science)

Olin College of Engineering | MA

Relevant Coursework: Technology-Venture Capstone, Principles of Systems Engineering, User Experience Design, Mechanical Systems, Computer Architecture, Discrete Math

## PROJECTS

### National Science Foundation Fellow

Creating an Agriculture Data Management platform targeted to specialty crop owners with direct customers

### Mental-Health App Project Manager

Co-designing a platform with 'Inspired Relief' in Boston for BIPOC communities to bring together helpers and seekers

### Rocketry Recovery Team Lead

Led a successful re-design and fabrication of the recovery system based on competition requirements on a team of four engineers

### Service-Animal Trainers Research

Held the role of a Project Manager in a team of five where we created personas, and attribute spectrums through interviews

## SKILLS

**Critical:** Ideation, Systems Thinking, Adaptable, Collaborator, Self-Starter

**Software:** Python, C++, Docker, AWS, CANape, Grafana