ROSEMOND HO

Analytical and organized product manager for hardware and software products with global impact. Excels in cross-functional environments melding backgrounds in product management and engineering. Passionate about user-centered product design and user experience. See my visual portfolio at: **rosemondho.com**

PROFESSIONAL SKILLS

- Product Management (Agile)
- Project Management (Jira, Asana, Confluence)
- Java, Python, HTML / CSS, C++, C#, SQL, Matlab
- Applied Machine Learning
- Data Science
- Data Collection and Analysis (LabVIEW)
- Modeling (SolidWorks, Fusion 360)
- Simulation Modeling (ANSYS)

ACCOMPLISHMENTS

- Co-Founder / President, Stanford Science Policy Group (2019-2020)
- School of Engineering Coterminal Fellowship (2018)
- Summer Undergraduate Research Fellowship (2017)
- Writing Tutor, Hume Center for Writing and Speaking (2015-2020)

HOW TO CONTACT ME

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Menlo Park, CA 94025

WORK EXPERIENCE

Recycling Innovation Engineer Intern

Apple | Jan 2021 - Present

- Develop and evaluate processes to enable reuse in Apple products by working with Engineering Program Management, Recycling Operations, and Supply Chain.
- Drive project plan, schedule, and execution for engineering and validation activities with external vendors.
- Create SOPs for Apple product modules pre-destruction processes in collaboration with Engineering, Supply Chain, and Global Security.

Product Management Summer Fellow

XStream Trucking | Jun 2020 - Sept 2020

- Spearheaded cost-down ($109/per unit) for IoT hardware device. Conducted user interviews, led system level redesign and directed re-engineering of internal layout.
- Calculated trade-off analysis for fuel-saving performance from IoT data platforms.
- Led effort to prioritize hardware features with engineering/operations teams.

Product Manager Intern

Krikey | Mar 2020 - Jun 2020

- Coordinated across cross-functional teams to bring Unity gaming and localization features from development to release.
- Expanded app to 3 new languages increased translation pipeline efficiency by 80%.

Fluid Systems Intern

Applied Materials | Jun 2019 - Dec 2019

- Performed reliability testing and built test bench experiments using LabVIEW to mechanize and automate semiconductor gas delivery system.

Engineering Intern

Kozo Keikaku Engineering | Jun 2018 - Aug 2018

- Applied machine learning methods in Python to calculate statistical failure analysis for drug manufacturing processes.
- Wrote and designed an add-on GUI in Minitab software for non-native statistical analysis methods using Visual Studio and C#.

PROJECTS

GoerTruck: Mobile Ramen Assembly Machine

Engineering Design Entrepreneurship & Innovation (ME 310)

- Managed timelines and schedules, resolved module-level interdependencies and negotiated with external vendors.
- Collaborated in cross-functional team of 3 engineers to build an autonomous ramen assembly machine with dispensing bowls, 3 soup flavors and 6 ingredients.
- Identified needs for convenient food delivery with needfinding interviews and prioritized features with components selections to meet $8000 budget.
- Finalist for Stanford University StartX Incubator Student-In-Residence Scholarship.

Simulations to Improve Ventilation in Low-Income Housing

Wind Engineering Lab, PI: Catherine Gorlé (Honors Thesis)

- Led effort to provide building recommendations to improve ventilation in Bangladesh low-income housing through user research and technical analysis.
- Conducted computational simulations in ANSYS Fluent to optimize air flow rates to lower the rate of infectious diseases.
- Presented findings in a poster session at the American Physical Society's Division for Fluid Dynamics Conference in 2017.

EDUCATION EXPERIENCE

Stanford University

MS in Mechanical Engineering | GPA: 3.54 | Jan 2018 - Jun 2021

- Focus Areas: Design Thinking, Micro-electromechanical Systems
- Courses: Global Engineering Design Thinking, Innovation, and Entrepreneurship (ME 310), Introduction to the Design of Smart Products (CS 377N)

Stanford University

BS in Mechanical Engineering (Honors) | GPA: 3.55 | Sep 2014 - Jun 2018

- Honors Thesis: "Computational Fluid Dynamics Simulations to Improve Ventilation in Low-Income Housing"
- Courses: Programming Methodology, (CS 106A), Programming Abstractions (CS 106B), Computational Engineering (ME 123), SYMSYS 100 (Minds and Machines)