

# Jennifer Hofilena

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## EDUCATION

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### University of California, San Diego

Spring 2022

*Bachelor of Science, Mechanical Engineering*

Minor: Business

Relevant Courses: Project Management, Statics/Dynamics/Vibrations, Solid Mechanics, Engineering Design

## EXPERIENCE

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### Lockheed Martin Space

Littleton, CO

*Mechanical Engineer Intern*

Jun 2019 – Sep 2020

- Analyzed Pyrotechnics for NASA's ORION Artemis-2 Side Hatch, Lanyard Pull, and T-Handle
- Conducted tests for composite material properties in support of Mars 2020, Military Support Program, Next-Gen OPIR, and LUCY in laboratory
- Designed missile body parts for HCSW using Creo Parametric 4.0 to 3D print

### Qualcomm Institute Nano3 Facility

La Jolla, CA

*SEMs Trainer*

Jan 2020 – Present

- Trained clients to use Scanning Electron Microscopes for authorization
- Performed Energy Dispersive X-Ray Analysis and scanned images of research samples

### Eleanor Roosevelt College

La Jolla, CA

*Orientation Leader*

Mar 2019 – Sep 2019

- Welcomed incoming freshmen by event planning presentations, skits, and group discussions
- Trained in ethics and social awareness to create safe atmosphere for students from all backgrounds

## SKILLS

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**Computer:** AutoCAD, SolidWorks, MATLAB, Creo Parametric 4.0, Python, Microsoft Office

**Laboratory:** Lasercutter, EDX, ZEISS Sigma 3000, FEI Apreo SEM, FEI Quanta SEM, Instron Bluehill

## PROJECTS

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### COVID-19 Community Website

Jun 2020

*Mechanical Engineer Lead*

- Designed UI/UX using Figma for website made to reduce loneliness during self-quarantine for all ages
- Interviewed local businesses, medical field workers, and students for website's needs

### Activity Alarm Clock

*Hardware Lead*

Jan 2020

- Built user touch-keypad with pattern required to deactivate alarm
- Soldered 5x5 LED lights and input connections to Raspberry Pi

### Driving Robot

*Design Lead*

May 2019

- Designed components with Autodesk Inventor and AutoCAD to laser-cut acrylic
- Printed parts using Makerbot Studio

## ORGANIZATIONS

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### Space Intern Ambassador for Lockheed Martin

*Intern Recruiter*

- Interviewed college students at networking events for potential internships

### Theta Tau – Professional Engineering Society

*Corresponding Secretary*

- Served as main contact between alumni and interchapter communications