



NATALIE S. DEO

She/Her/Hers

562.745.5925 | nataliedeo@aol.com | www.nataliedeo.com

Los Angeles, CA | U.S. Citizen | Secret Clearance



EDUCATION

University of Southern California (USC) – Los Angeles, CA

Aug 2021 – Present

Master of Science in Astronautical Engineering (Spacecraft Systems & Operations)

California State University, Los Angeles (CSULA) – Los Angeles, CA

Aug 2016 – May 2021

Bachelor of Science in Electrical Engineering (Computer Engineering)

Honors: Cum Laude, Honors College, Early Entrance Program

EXPERIENCE

Millennium Space Systems, A Boeing Company – El Segundo, CA

Spacecraft Assembly, Test, Launch & Operations (ATLO) Engineer

Jun 2024 – Present

- Performing integration and test (I&T) and assembly, test, launch, and operations (ATLO) on small sats

NASA Jet Propulsion Laboratory (JPL) – Pasadena, CA

Graduate Student Engineer (APX): Section 347R

Jan 2023 – Dec 2023

- Performed validation and verification (V&V) for Cooperative Autonomous Distributed Robotic Exploration (CADRE); acted as Testbed Operator for developmental models
- Acted as Test Engineer for TVAC; wrote scripts to validate components and subsystems
- Designed harnesses for ground support equipment (GSE)

Graduate Student Engineer (APX): Section 348E

Jan 2022 – Jan 2023

- Performed validation and verification (V&V) on avionics testbeds for JPL's Europa Clipper.
- Tested procedures and usability using hands-on testbeds in avionics lab

Intern: Section 313K

Jun 2021 – Jan 2022

- Performed validation and verification (V&V) on system testbeds for JPL's Europa Clipper
- Used automated system to carry out tests to verify system reliability throughout building process

CSULA Center for Effective Teaching & Learning – Los Angeles, CA

Student Technology Assistant

Aug 2018 – May 2021

- Supported faculty in usage of technology and learning module systems to improve classroom
- Familiar with usage of Canvas, Moodle, Zoom, Camtasia, Qualtrics, iClickers, Respondus

NASA Goddard Space Flight Center (GSFC) – Greenbelt, MD (Remote)

Electrical Engineering Intern: Section 370

Aug 2020 – Dec 2020

- Wrote "Risk Associated with Solder Joint Rework in Aerospace Electronic Circuit Assemblies"
- Familiarized with J-STD-001 and respective space addendum to discuss reliability of soldering rework in microelectronics

Northrup Grumman Corporation (NGC) – Rancho Bernardo, CA (Remote)

Systems Engineering Intern

Jun 2020 – Aug 2020

- Developed requirements verification tests (RVTs) and processed digital interface control documents for NGC's Global Hawk System
- Wrote RVTs in custom Northrup Grumman language with similar syntax as Python



NATALIE S. DEO

She/Her/Hers

562.745.5925 | nataliedeo@aol.com | www.nataliedeo.com
Los Angeles, CA | U.S. Citizen | Secret Clearance



EXPERIENCE (cont'd)

CSULA/NASA DIRECT-STEM – Los Angeles, CA

Student Participant

Jun 2020 – Aug 2020

- Used Python and MATLAB for data analysis in a workshop provided by NASA

California State Polytechnic University, Pomona – Pomona, CA

Intern

Jun 2017 – Jul 2017

- Aided the Project Lead The Way (PLTW) curriculum with experience and expertise
- Helped teachers develop methods of delivering curriculum to K-12 engineering students

INVOLVEMENT

Juvenile Diabetes Research Foundation

Volunteer, Children's Congress Delegate, YA President, Walk Team Captain

Nov 2010 - Present

- Spoke to Congress about insulin affordability and advocated for Type 1 Diabetes in 2019
- Youth Ambassador (YA) Program president for younger audiences to foster inclusion in 2019 – 2020
- Team Captain of Team Nat Deo; fundraised over \$15,000

Columbia Memorial Space Center

Volunteer

Sep 2015 – Jan 2023

- Worked with local community to educate on STEM and aerospace history
- Hosted field trips, robotics labs, and community-wide STEM events
- Attended regular meetings to suggest and discuss ideas that will engage visitors and guests

Instagram, Inc.

Instagram Ambassador

Jan 2021 – Dec 2022

- Beta tested new features for Instagram's mobile and web interface
- Provided feedback on Instagram's community and inclusivity based on audience voices
- Highlighted content creators that worked to engage audiences using unique Instagram features

SKILLS

Languages

English, Hindi,
Spanish (conv.)

Programming

Python, MATLAB, C/C++,
HTML & CSS, Bash

Computers

Windows, macOS,
Linux, iOS & iPadOS

MEMBERSHIPS

Phi Kappa Phi (ϕΚϕ)

Apr 2021 – Present

Eta Kappa Nu (HKN)

Oct 2020 – Present

Tau Beta Pi (TBP)

Nov 2018 – Present

Institute of Electrical & Electronics Engineers (IEEE)

Oct 2018 – Present

Society of Women Engineers (SWE)

Oct 2018 – Present

National Society for Leadership & Success (NSLS)

Oct 2018 – Present

Golden Key (GK)

Oct 2018 – Present

National Society for Collegiate Scholars (NSCS)

Apr 2018 – Present