

GRACIELA MANZANARES

SOFTWARE ENGINEER | AERO/MECH/NPI ENGINEER

PROJECTS

Full-Stack Developer | Calm Companion

SEP 2023, CAPSTONE PROJECT BRAINSTATION

- Web app for anonymously sharing mental health stories, tools and crisis support using React, Firebase/Firestore, Sass and different web APIs.

Full-Stack Developer | HACKATHON INDUSTRY PROJECT (Winner)

AUG 2023, BRAINSTATION x ROYAL CARIBBEAN Winner

- Proposed solution to learning opportunities and deliver a unique shopping experience for our "new to cruise" customers using React, Node and [Figma](#).

EXPERIENCE

New Product Introduction Engineer | Nuro.ai

FEB 2022 - MAY 2023, MOUNTAIN VIEW, CA

- Coordinated all aspects of production and development, including prototype builds, manufacturing lines and processes, reliability testing, integration testing and product deployment for short and long range radars and cameras by providing NPI/DFM/DFA guidance to drive product design.
- Worked with 3 suppliers overseas to design fixtures and electro-mechanical equipment that played a pivotal role in facilitating and enhancing prototype builds.

Senior Manufacturing Engineer | Wisk Aero f.k.a Kitty Hawk

FEB 2019 - FEB 2022, MOUNTAIN VIEW, CA

- Designed tooling and fixturing for production of components and assemblies on the Cora aircraft using Solidworks and NX CAD systems. Generated 3D CAD models and 2D drawings with GD&T in compliance with Y14.5 that reduced NCRs.
- Supported the in-house machine shop and composite layup and assembly shop by creating and controlling procedures using Fibersim and Teamcenter PLM.

EDUCATION

BrainStation | Diploma, Software Engineering

JUN 2023 - SEP 2023, MIAMI, FL

San Jose State University | Masters in Aerospace Engineering

JAN 2016 - MAY 2017, SAN JOSE, CA

Comillas Pontifical University | Masters in Industrial and Operations Engineering

JAN 2016 - MAY 2017, MADRID, SPAIN

Bachelors in Aeronautical and Mechanical Engineering

JAN 2008 - MAY 2012, MADRID, SPAIN - SEP 2011 - JUN 2012, WALES, UK

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github.com/gracigraz

SKILLS

HTML, CSS, Sass, JavaScript, Node, React, Express, MySQL, Agile Development, Document Object Model (DOM) APIs, Web APIs, Firebase/Firestore, User Authentication, OAuth, Heroku, GitHub, Jest, Jira.

PROFILE

In my career to date I have worked with airplanes and autonomous vehicles focused on highly detailed design, performance, and reliability. In this environment, breaking things is deemed unacceptable, and I have come to the realization that I would rather be in an environment that allows me to express my creativity and nurture my passion for innovation, breaking things in order to achieve creative breakthroughs. I'm excited about becoming a software engineer to push the boundaries of technology through experimentation and am confident in the foundation that my math and variety of highly technical engineering principles has trained me in. As a recent BrainStation bootcamp graduate, I believe that I can bring a unique perspective and effectively bridge the gap between hardware and software.