

DELIA GRATTA

(650)799-8062 ✓

DELIA.GRATTA@GMAIL.COM ✉

WWW.DELIAGRATTA.COM 🔗

EDUCATION

UC Santa Barbara
B.S. Physics
Art History Minor
2016

Henry M. Gunn High School
2012

SKILLS

CAD

(Solidworks CSWA, Inventor,
Fusion, HSM CAM)

Manufacturing

(CNC, 3D Printer, 3-Axis Mill,
Lathe, Mold design, Injection
molding, Soldering,
Silversmithing, Lapidary)

Document Control

Sketching

Prototyping

Graphics

(Photoshop, Illustrator, Gimp,
Inkscape)

Video

(iMovie)

Word Processing

(LaTeX, Word)

Data Processing

(Excel, Mathematica, Minitab)

Languages

(Italian, French)

PATENTS

Sutro: US10150680B1

Jill of all trades, master of some.

Fiercely independent, except from spell check

Right-brained scientist, museum wanderer, sourdough keeper.

I am interested in exploring new opportunities in Mechanical Engineering and Industrial Design. I pride myself in finding the most efficient way to solve a problem, often pulling ideas from other disciplines to come up with creative solutions.

EXPERIENCE

R&D/MECHANICAL ENGINEER II, RANI THERAPUTICS, SAN JOSE, CA. 2018-PRESENT

Designed, prototyped, and tested the Rani robotic pill and fixtures for its manufacturing and testing. Involved in initial design in CAD, DFM including mold design and process development, assembly of the product and qualification testing.

Designed, built and qualified an aseptic manufacturing line from the ground up to ensure sterility in 4 months while managing my other responsibilities.

Provisional patent submitted for a machine I designed and built for the manufacture of microtablets.

Hired as a Jr. Engineer, promoted within a year.

ASSOCIATE MECHANICAL ENGINEER, SUTRO, SAN FRANCISCO, CA. 2016-2018

Research and development position moving towards DFM and eventual mass manufacturing focusing on fast prototyping and testing for a personal tech product in the aquaculture space.

Hired as an Intern before being brought on to full time position.

UNDERGRADUATE RESEARCHER, DAVID WELD PHYSICS LAB, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CA. 2013-14

Worked in close collaboration with graduate students, post doc, and supervising professor to design and build a custom optical Tapered Amplifier among other instrumentation projects.

COMMITTEE DIRECTOR, REGIONAL HIGH SCHOOL MODEL UNITED NATIONS/IMUNA, SAN FRANCISCO, CA. 2012-13

STRUCTURES AND INTEGRATION, GUNN HIGH SCHOOL ROBOTICS TEAM, PALO ALTO, CA. 2010-12

INTERN, GRATTA LAB AT STANFORD PHYSICS DEPT, STANFORD, CA. 2010-2011

JEWELRY STUDIO ASSISTANT, CARINA ROSSNER ORGANICS, PALO ALTO, CA. 2010-11