



Computer nerd skilled in testing, website & web app development, scientific computing, and ML.

GOOGLE — SOFTWARE ENGINEERING INTERN

SUMMER 2017

Built web app for kernel developers to perform self-service A/B testing for Google Cloud EngProd. Wrote integration tests. Incorporated Material Design UI principles.

NASA JET PROPULSION LABORATORY — SOFTWARE ENGINEERING INTERN

SUMMER 2016

Developed a unit test harness for an existing code base for the Mars 2020 mission using CMake and GoogleTest. Performed tests on the M2020 docking testbed for the rover's robotic arm.

WEBVALLEY (TRENTO, ITALY) — VISITING RESEARCH FELLOW

SUMMER 2015

Created dashboard for autism researchers to view physiological data from IMU sensors worn on patient wrists. Prepared research for ML-based data analysis.

INTEL INTERNATIONAL SCIENCE FAIR — 2ND PLACE INTERNATIONAL, PHYSICS

2015

Built vertical wind tunnel (in parents' garage) to study Vortex Ring State (VRS) development on rotorcraft. Awarded WebValley research fellowship and name on minor planet 31996.

CALIFORNIA INSTITUTE OF TECHNOLOGY — B.S. COMPUTER SCIENCE, HISTORY

2015 – 2019

Student Investment Fund secretary, board member, and website developer (2015 - 2016); Caltech Library Committee co-chair (2017); Caltech Robotics Team website developer and videographer (2018); California Torch senior editor (2015 - 2019).

Teaching Assistant: Programming for Biological Sciences x 2, Hack Society x 2, ANSI C workshop x 2, ACM International Collegiate Programming Competition student coach.

DENMARK TECHNICAL UNIVERSITY — INTERNATIONAL EXCHANGE STUDENT

FALL 2018

As a masters-level exchange student, I studied Deep Learning (02456), Image Analysis (02502), Sound Design for Digital Media (02826), and the Danish language.

PORTFOLIO

crt.caltech.edu (developed) – sif.caltech.edu (developed) – californiatorch.org (senior editor)

SKILLS

