

Evan Goldman

661 Teredo Dr | Redwood City, CA 94065

evangoldman10@gmail.com | (650) 235-6555 | linkedin.com/in/egold018

SKILLS

Programming Languages: Experienced with C#, C++, Python, lua, Javascript/html/css

IDEs: Microsoft Visual Studio, Visual Studio Code, and TI Code Composer Studio

Social Media: Facebook, Instagram, Snapchat

EDUCATION

Mathematics BS with concentration in Physics,
University of California, Riverside (UCR), Riverside, CA
Dean's honor roll

Expected June 2023

EXPERIENCE

Internship at Fluidigm Corporation, June 2020 - September 2021

- Enhanced and maintained C# based engineering and manufacturing software for Biomark RT-PCR instrumentation. Fixed 130+ bugs.
- Improved C# based hardware simulation functionality for facilitating off-instrument testing of end user software.
- Used advanced WPF/C# techniques to enhance custom metrology control to view multiple datasets instead of just one dataset at a time.
- Implemented ~10 Python based scripts for performing unit hardware component specification testing including pneumatics, thermal, mechanical, imaging, and barcoding.
- Implemented Python based scripts to recreate runtime errors to enable failure mode testing by disconnecting devices and putting strain on hardware.
- Designed and demonstrated a strategy for automated instrument software testing using SmartBear TestComplete.
- Participated in the software quality assurance effort and performed 100+ test cases over multiple formal software verification testing cycles.

Projects Completed

- Completed Elegoo Arduino R3 robotics self-learning course
- Implemented game-playing macros based on image recognition algorithms in python
- Created a machine learning algorithm to teach a computer to play flappy bird in C++
- Developed a Roblox game from scratch, heavily using modular programming

VOLUNTEER WORK

Fundraising Project for Open Hand

September 2014 - May 2015

- Interviewed representatives from 16 different non-profit organizations
- Collaborated with classmates and raised over 10,000 dollars
- Partnered with Project OpenHand, an organization that provides meals to impoverished people in San Francisco.
- Gave a presentation on why Project OpenHand should receive the money.

- My organization was one of the 3 winners and reclaimed $\frac{1}{3}$ of the \$10,000.

Southwestern Academy

September 2018-June 2019

- Emcee for the annual arts fest in San Marino
- Introduced performances and helped manage the events
- Worked in a team of students to produce yearbooks
- Made the sports pages and some of the senior portraits
- Helped manually bind the books together
- Lead interviewer for Southwestern Academy news

American Red Cross

- Helped install smoke detectors in impoverished households in Alviso, CA

OTHER

- Sorting canned food at Second Harvest Food Bank
- Setup and managed voting booths during the January 7th 2018 special election

INTERESTS

Speed solving Rubik's cube, exercising, 3D modeling, game development.