

# Kyle Glover

South San Francisco, CA 94080

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## **Education:**

- National University, La Jolla **July 2021**  
*Master of Science in Computer Science, MSc.*
  - University of California, Santa Cruz **June 2018**  
*Biology, BA*
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## **Skills:**

- Proficient in: C#, C++, C, Java, Swift, Python, JavaScript, HTML, CSS
  - Frameworks/Libraries: OpenCV, Flask, React, Node.js, SQLAlchemy, Marshmallow
  - Database: MySQL, PostgreSQL, MongoDB
  - Tools: AWS, BitBucket, SourceTree, Git
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## **Experience:**

### ***Software Engineer***

Halo Labs (Optofluidics, Inc.)

**December 2021-August 2023**

Millbrae, California

- Designed and implemented full-stack windows applications using C#/Winforms to control and monitor automated systems in a manufacturing environment.
- Implemented features using C++/OpenCV to help improve data quality by measuring light saturation of pixels for monochromatic images.
- Debugged and implemented improvements in firmware that led to new features being added and fixes for legacy software using C/simplicity studio.
- Built the infrastructure for embedded devices such as Arduino for new features and improvements for instruments using C++.
- Mentored and assisted intern projects while completing daily duties.

### ***Clinical Laboratory Associate I-II***

Color Health

**August 2020-August 2021**

Burlingame, California

- Perform specimen receipt, accessioning, and sample transfer using laboratory Liquid Handlers such as Hamilton Star, Hamilton Starlets, and Agilent Bravos.
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## **Projects:**

**Plantings** - A simple e-commerce site that was developed using a microservice architecture. On the site a user can sign up, sign in, and post any kind of plant for sale. The website supports a payment service run by the Stripe API. This website is running on a kubernetes cluster with pods built using Docker containers and is hosted by digital ocean. This repository is connected to my account on digital ocean and will initiate an action whenever there is push/merge to the Master repository using github actions.

**Coffee Break** - An iOS application GUI written in Swift UI. Restful Web API written in python using the flask framework and using the Object relational Mapper SQLAlchemy created and stored data to MySQL database. Stores and displays user constructed Coffee drinks, allowing users to manage and create group orders for coffee drinks. For this Project documentation was written for the OCD, SRS, STP, SDD, and User Manual were developed by my team.