Kyle Glover

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Experience:

Software Engineer

Halo Labs (Optofluidics, Inc.) **December 2021-Present**
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.
- Follow laboratory established policies and procedures, and document all corrective actions taken when there is a deviation to the test system.

Projects:

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 was developed by my team.

Friendly Quizzes - A web application that allows users to create, store, and share custom quizzes with friends located on the site. The UI is written using the React library and Javascript. Node.js to connect to a local MySQL database stored on phpMyAdmin and styled with custom CSS.

Skills:

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

Education:

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