Kyle Glover
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Education:
- National University, La Jolla   **August 2021**
  Master of Science in Computer Science, MSc.
- University of California, Santa Cruz   **June 2018**
  Biology, BA

Projects: More information can be found on my GitHub

Plantings- A simple e-commerce site that was developed using a microservice architecture. The UI utilizes server-side rendering using the Next.js with react frameworks and for the backend services Node.js framework. On the site a user you can sign up, sign in, and post any kind of plant for sale. Data for each service is stored on pods running an instance of an MongoDB. 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. Built the entire site as a personal project.

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.
Contributions: Developed the entire backend API, created/maintained the MySQL database on AWS, designed 75% of the application UI, and developed 75% of all documentation.

Skills:
- Proficient in: Swift UI, Java, JavaScript, Typescript, C#, C++, HTML, PHP, CSS, Python, YAML
- Frameworks/Libraries/Tools: Flask, iOS, React, Node.js, Next.js Git, REST API, SQLAlchemy, Marshmallow, Kubernetes, Docker, Nginx-Ingress
- Database/Tools: AWS, MySQL, MySQL Workbench, MongoDB
- Team Level Framework: Scrum and Kanban

Course Work:
- CSC 603: Software Engineering Fundamentals
- CSC 605: Software Architecture Principles
- CSC 680: Database Web Interfaces

Experience:
Clinical Laboratory Associate I-II
Color Genomics   **August 2020 - August 2021**
Burlingame, California
- One of the primary trainers for new team members and implemented all new procedures for the COVID testing laboratory.
- Perform specimen receipt, accessioning, and sample transfer using laboratory Liquid Handlers such as Hamilton Star, Hamilton Starlets, and Agilent Bravos.

Laboratory Analyst
Janssen Pharmaceutical Companies of Johnson & Johnson   **June 2019 - August 2020**
Vacaville, California
- Prepare and standardize test / volumetric solutions, standard solutions, and samples for various chemical and physical tests according to approved methods. Perform routine analyses including HPLC.