

## Experience

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### Software Engineer

April 2021 - Current

#### Food Micro Labs

- Increased high volume client lab testing accessibility and reduced client submission errors by creating scheduling app to track and manage sample intervals using Django, Python and PostgreSQL
- Reduced report generation time from 12min to ~40s by rewriting legacy VBA script into Python application that eliminated the need for manual QA entry
- Enabled email notifications to alert manufacturers that preliminary testing confirmed presence of contaminants

### System Optimization Manager

2018 - 2021

#### Food Micro Labs

- Created custom Google sheets app of courier/dispatch communication with timestamp function for calculating overall trip duration and to flag required sample information if omitted
- Implemented script for automatic analysis of generated LIMS data by date range or month to generate graph trends in VBA
- Reduced feedback loop time for QA by building an .exe file with Python that automated data entry into analytical testing instrument (GeneUp)

## Skills

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**Languages:** Python, Flask, Django, JavaScript, HTML, CSS, SQL, Git

**Tools:** Postman, Docker, Github, Visual Studio Code, Microsoft SQL Server

## Projects

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### Bike to Brew

*Tech stack:* Flask, Python, FreeGeoIP API, OpenBreweryDB API, PostgreSQL

- REST API that geolocates the user and finds a brewery within a bike-able distance

### Micro Laboratory Information Management System (LIMS)

*Tech stack:* Django, Python, PostgreSQL

- Sample log-in, tracking and management for testing analysis

## Education

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University of California, San Diego  
*Bachelor of Science, Biochemistry*

Sept '10 – Jun '14