

Amy Nguyễn



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SKILLS / LANGUAGES

- Languages: Python, SQL, R, C#, VBScript, Java, HTML, CSS, Javascript
- Frameworks: Flask, pytest, Selenium, React
- JIRA, Git, Agile, MS Office, GSuite

PERSONAL PROJECTS

Flight Tracker, Python

- Program that leverages Sheety API to get user-provided destination and maximum price data.
- Gets flight data using Tequila API and notifies via text through Twilio API if flight is found.

Stardew Valley Game Mod, C#

- Game mod that listens for game day start and notifies a player if it is an NPC's birthday.
- Pulls NPC gift tastes from game data and displays to console.

Project 365, Python

- Flask website application for mapping an uploaded photo with each day of the year.
- Manages data in SQLite, allowing for multiple users and persistent data.

PROFESSIONAL EXPERIENCE

Delfi Diagnostics, Palo Alto, CA

Senior Product Engineer | Jul 2023 - Jan 2024

Product Engineer | Jan 2022 - Jun 2023

- Promoted for developing and maintaining lab information management system (LIMS) required to process 100 samples/day.
- Architected lab entities/IDs and their schemas for usage across all software systems and data warehouses used by the company.
- Composed SQL queries to derive lab insights and inform strategic decision-making.
- Collaborated with engineers, product managers, and UX designers on the design and development of the lab information system (LIS).
- Authored unit tests with pytest and software integration plans required to launch the pilot product.

BillionToOne, Menlo Park, CA

Senior Automation Engineer | Jul 2021- Jan 2022

Automation Engineer | Jul 2019 - Jun 2021

- Promoted for launching the first fully automated process in the lab, owning the process from ideation to development to integration and post-launch monitoring.
- Designed, developed, and implemented liquid handling automation scripts to increase lab capacity 50% per quarter. The lab processed 1000+ samples daily.
- Launched and executed the LIMS product vision by staging work into achievable milestones to deliver continuous incremental benefits.

Senior Research Associate | Apr 2019 - Jun 2019

- Designed and analyzed impactful experiments in R to obtain data and develop assays.

EDUCATION

University of California, Davis

Bachelor of Science in Biochemistry and Molecular Biology | 2015-2018

Honors: magna cum laude