

Khoi Tran

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EDUCATION

A.S. Computer Science May 2022
Estrella Mountain Community College, Avondale, AZ 4.00 GPA

B.S. Computer Science Expected May 2024
Arizona State University, Tempe, AZ 4.00 GPA

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C/C++

Front-End: HTML, CSS, JavaFX

Tools, Databases, and OS: GitHub, Windows, Linux/Unix, SQLite, PostgreSQL, Django, Flask

RELEVANT PROJECTS

Expense Tracker Web Application Spring 2024

- A personal expense tracking web application built using **Django** as the Backend, **HTML, CSS** as the Frontend with **HTMX** for responsiveness
- Deployed for usage on the local network using **Apache2** server running on **Raspberry Pi**
- Integration with **Python's SQLite** database system

University Student Management System Fall 2023

- A CRUD student management system built using **Flask (Python)** as the Backend, and **HTML, CSS, JavaScript** as the Frontend
- Integration with **PostgreSQL** database through Python using **psycopg2** with Flask

Daily Weather Alert Through Text Fall 2023

- Personal rain forecast alert **Python** program using **OpenWeatherAPI**
- Option to send SMS/MMS using direct **SMTP** or **TwilioAPI**
- Automated to run daily using **crontab** on headless **Raspberry Pi**

Simple Navigation System Fall 2022

- Devised a navigation system using **Dijkstra's Shortest Path Algorithm** in **C/C++**
- Programmed to take simplified text files of various transportation networks.
- Tested on the California public transportation network.

SunDevil Pizza App Fall 2022

- Created an app that takes, and process student's orders using **Java and JavaFX** and followed a **plan-driven software engineering process** in a team of 5, contributions made through **GitHub**.
- Utilized **object-oriented concepts, simple login verification procedures**, multiple interfaces depending on user type.

WORK EXPERIENCE

Pho King Eggroll, Goodyear, AZ: Waiter 01/2019 – 10/2021

- Provide customer service for patrons of the restaurant while working in a team environment.

EXTRACURRICULAR

Burton Barr Central Library, Phoenix, AZ: Computer Aid Volunteer 08/2022 – 10/2022

- Help and troubleshoot patrons with computer-related problems, including help with printing, faxing, and general technical and IT problems.

Vietnamese Student Association, Executive Board Member: Photographer 10/2022 – Present

- Worked with sixteen other board members to plan and organized culturally significant events that spread awareness about Vietnamese culture.
- Plan and execute various photoshoots as well as casual candid shots of meetings.