Vincent Xayasak

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EDUCATION

University of California, Davis   Davis, CA
B.S. in Computer Science   *Sept. 2024 – Expected Jun. 2026*

De Anza College   Cupertino, CA
Computer Science for Transfer   *Jul. 2022 – Jun. 2024*
- GPA: 3.72

Personal Skills: Problem-Solving, Communication, Teamwork and Collaboration, Adaptability, Time Management, Attention to Detail, Patience and Persistence, Empathy, Curiosity and Continuous Learning

PROJECTS

Michelin Restaurant Data Search | *Personal Project, Sept. 2024*   *Python, Web Scraping, SQLite, JSON*
- This program is designed to scrape restaurant data from the Michelin Guide website for a specified location and present it in an easy-to-navigate graphical user interface (GUI).
- Users can search for restaurants by city or cuisine, view detailed information, and visit the restaurant's webpage directly. The data is stored in a local JSON file and SQLite database.

National Park Finder | *Personal Project, Aug. 2024*   *Python, API, JSON*
- This program allows users to search for national parks across the U.S. by selecting up to five states, retrieving park data from the National Park Service API.
- Users can save specific park details into JSON files, organized by state, with a dynamic interface that updates in real-time.

Bay Area Rainfall Watershed Data Search | *Personal Project, Mar. 2023*   *Python, API, GUI, JSON*
- This program provides an interactive tool for managing and visualizing precipitation data from various watersheds through a graphical user interface.
- Users can select watersheds and time ranges to view detailed precipitation information and rank sensors based on precipitation levels over selected periods.

EXPERIENCE

De Anza Hackathon   Oct. 2022 and Oct. 2023
De Anza College   *Cupertino, CA*
- Created a Python data visualization project showing yearly U.S. college tuition until 2022.
- Developed animated websites using HTML, CSS, JavaScript, and React.
- Presented the Python project to judges, placing in the top 10 out of 200+ attendees.

Mathematics Engineering Science Achievement (MESA)   Aug. 2019 – Mar. 2022
Santa Teresa High School   *San Jose, CA*
- Collaborated on STEM projects for state-wide competitions; prosthetic arm, civil bridge, and wright turn glider.
- Played math escape rooms with complex problem-solving scenarios.
- Participated in coding challenges, contributing to Java-based solutions.

SciencePalooza   Aug. 2019 – Apr. 2022
Santa Teresa High School   *San Jose, CA*
- Designed an electromagnetic train project, winning First Place in Energy and Transportation.
- Presented scientific findings effectively to judges and audiences.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, HTML/CSS, SQL
Frameworks/Libraries: BeautifulSoup, SQLite, JSON, NumPy, Matplotlib
APIs: National Park Service API, Santa Clara Valley Water API
Tools: Git/GitHub, Web Scraping, Data Visualization, GUI Development (Tkinter)
Developer Environments: Google Cloud Platform, Visual Studio, PyCharm, Eclipse