

Peng Thao

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Education

Devmountain | Lehi, UT

March 2024

- Python Development Program

University of Minnesota | Minneapolis, MN

May 2013

- BA Psychology

Skills

Languages: Python | JavaScript | CSS | HTML5

Libraries: Flask | Flask-Login | Flask-Forms | Flask-Blueprints | Node.js | RESTful API | Bootstrap | SQLAlchemy | PostgreSQL | OAuth | Bcrypt | Express | Axios

Tools: AWS EC2 | Git & GitHub | Visual Studio | Postman | Google Cloud Platform BigQuery | SSMS (SQL Server Management Studio) | SharePoint | Power BI | Power Automate | PowerApps | Playwright | BeautifulSoup

Professional Experience

Devmountain | Lehi, UT

September 2023 - March 2024

Python Developer / Software Engineer (student)

Job Search Scraper - [Github Repo](#) | [Demo](#)

Python | Flask | Flask login-manager / Blueprints / FlaskForms | Jinja | PostgreSQL | Bcrypt | Playwright | BeautifulSoup

- Developed a job searching application using Python, Flask, Playwright, and BeautifulSoup, enabling users to scrape job listings from multiple job boards, log in, and manage their saved job statuses efficiently.
- Engineered robust user authentication and password encryption using bcrypt, ensuring data privacy and security, allowing users to manage their job preferences and application statuses securely.
- Integrated PostgreSQL for robust data management, ensuring reliable and scalable handling of user data and job listings to support the application's growth and performance needs.
- Utilized the Playwright library with Bright Data proxy servers to effectively navigate and bypass advanced anti-bot protections, ensuring successful data scraping.

Grocery List / Recipe Searcher - [Github Repo](#) | [Demo](#) | [Hosted Site](#)

HTML5 | CSS | JavaScript | NodeJS | Express | Axios | PostgreSQL | Node.js | AWS EC2 | PM2

- Developed RESTful API calls using Express and Axios to interact with external APIs efficiently, facilitating seamless data retrieval and integration within the application, and enabling a modular architecture for future scalability.
- Deployed the application on AWS EC2 environment serving Node.js using pm2, ensuring high availability and reliability while providing the ability to scale resources dynamically as demand increases.
- Developed a dynamic and responsive front-end using Bootstrap, enabling interactive user experiences and seamless API integrations for real-time data updates.

Capella University | Minneapolis, MN

July 2023 - Present

Planning and Reporting Analyst

- Designed Dax measures and reports for leaders that distill key performance indicators and critical insights enabling informed decision-making and strategic planning resulting in a cycle time decrease from over 5 days to under 48 hours.
- Developed Power Apps applications to capture critical data for work not previously tracked in existing database systems providing visibility and context to employee performance.
- Developed StandardSQL queries to extract data from Google BigQuery and connect multiple sources to our models.

- Developed automated indicators using Power Automate to ensure timely data refreshes and early anomaly detection.
- Migrated the entire reporting suite when production teams adopted a new work distributor, ensuring uninterrupted access to critical performance insights and analytics during the transition.
- Collaborated closely to build report prototypes and models that effectively address stakeholder needs and objectives, refining them iteratively based on feedback to ensure alignment with business goals.
- Communicated detailed findings and insights to managers and directors using concise presentations and reports, emphasizing key trends, metrics, and actionable recommendations.

Planning and Reporting Coordinator

September 2020 - July 2023

- Designed capacity models to forecast inventory and output, optimizing resource allocation and efficiency.
- Restructured employee vacation bidding process reducing process and processing downtime from 3 days to 2 hours.
- Streamlined daily report generation process by transitioning from Excel pivot tables to the Power BI platform, reducing report production time from 3 hours to real-time user consumption.
- Administered workforce attendance software providing accurate reporting and optimizing resource allocation.

Senior Admissions Representative

April 2015 - Sept 2020