

Yash Katwal

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EDUCATION

University of Washington

B.S in Informatics: Software Development | B.A in Geography: GIS & Data Science

Seattle, WA

Sep 2019 – Jun 2023

EXPERIENCE

Software Engineer Intern

Jan 2025 – Jun 2025

Apple

Seattle, WA

- Developed Python automation scripts and leveraged internal AI APIs to automate log analysis, data extraction, and organization for Apple Vision Pro.
- Developed interactive dashboards using Python and JavaScript providing clear visualizations of bug trends, performance indicators, and processed log data for improved debugging.
- Performed root cause analysis on software defects by systematically examining device logs and user reports, collaborating with engineering teams to accelerate issue resolution and improve application stability.

Freelance Developer

Jun 2023 – Jan 2025

Self Employed

Seattle, WA

- Developed informational, personal, and commercial websites for clients using React, Next.js, Node.js and more.
- Spearheaded the development of interactive web platforms using React, Node.js, and Socket.IO, integrating an unofficial TikTok API to drive real-time user engagement through donations, likes, and follows, resulting in a 175% revenue increase.

Full Stack Developer

Jan 2023 – Mar 2023

Adios COVID & UW iSchool

Seattle, WA

- Developed a full stack COVID data website for researchers using Next.JS and Agile methodologies, incorporating AWS Lambda powered API endpoints for efficient data retrieval.
- Implemented interactive data visualizations using Mapbox GL JS and D3.js, leveraging the custom API to present complex COVID data trends effectively.

Software Development Intern

Oct 2020 – Jun 2023

SDP Research Lab

Seattle, WA

- Developed and deployed interactive web maps (HTML, JavaScript, GIS libraries) supported by a custom-designed NoSQL (MongoDB) database for efficient data retrieval and NodeJS authentication.
- Created an image gallery using PHP, JavaScript, and SQL to provide access to historical images.

Data Science Intern

Jan 2021 – Jun 2022

Abrahms Research Lab

Seattle, WA

- Utilized Python to train machine learning models to distinguish lion roars from other sounds for field research.
- Tracked, analyzed, and visualized wild dog behavior with dog collar data using Python, R and QGIS.

PROJECTS & ACTIVITIES

Project Manager

Jun 2021 – Jun 2023

South Asian Student Association

Seattle, WA

- Planned and acquired project schedules, budgets, support teams, marketing plans, stakeholder syncs, and more.
- Engaged with UW community, alumni and other school organizations and executed large scale events.

IT Help Desk Assistant

Jan 2022 – Jun 2023

UW Academic Technologies

Seattle, WA

- Assisted clients with troubleshooting software issues on various hardware items in-person, over the phone, and online
- Researched and documented solutions to technical issues with industry standard applications.

Full Stack Developer

Mar 2022 – Jun 2022

Project Divvy-Up

Seattle, WA

- Developed a React (MVVM) single-page application front-end for splitting and requesting payments.
- Implemented a Node.js/Express REST API with a NoSQL database for user authentication and data persistence.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Swift, SQL (NoSQL), JavaScript, HTML/CSS, R, Hindi

Frameworks & Libraries: React, Node.js, Next.JS, SCSS, jQuery, Bootstrap, Mapbox, Numpy, Pandas, SciKit

Developer Tools: Git, Docker, Azure, AWS, VS Code, IntelliJ, ArcGIS, QGIS, Devops, Adobe Creative Cloud