

DHRUV VORA

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EDUCATION

University of Waterloo, Honours Computer Engineering (3.86 GPA)

Sept 2020 - Jun 2025

EXPERIENCE

Incoming Software Engineer (Part-Time)

Apr 2022 - Sept 2022

KPMG Canada

Software Engineering Intern

Jan 2022 - Apr 2022

KPMG Lighthouse

- Reduced Pay Equity calculation process from **2 weeks** to **2 minutes** by developing an application using **Pandas**, **SciKit**, **Flask**, and **React**, all deployed on an **Azure Cloud service**
- Streamlined consultant processes with an **NLP** service to label job titles using **GPT-3** and **BeautifulSoup**
- Developed a NFT certificate minting application using **Solidity** smart contracts, **IPFS**, **Next.js**, and **Web3.js**

Software Development Intern

May 2021 - Aug 2021

Polar

- Decreased version release times by **40%** by developing **Webpack** build scripts using **Bash** and **Grunt.js**
- Improved ad click-rates by developing and reporting product layout improvements using **React**
- Optimized **CSS** modules to deliver stability improvements and reduce ad rendering time by **18%**

Software Developer

Sept 2021 - Present

Waterloop Design Team

- Delivered voltage and current streaming capabilities through **isoSPI** by developing firmware written in **C++**
- Enhanced productivity by designing an **API** to turn notes into tickets with **Express** and **open-source APIs**

Sub-team Lead (Software)

Jan 2021 - Sept 2021

Watlock Design Team

- Collaborated with a team to design the software needed to operate a compact and reliable airlock on Mars
- Led the development of a data collection backend built using **Flask**, **Mongo**, **Arduino**, and an I2C bus
- Designed a UI in **Electron**, **React** and **Jest** to gather telemetry and handle airlock commands

PROJECTS

Seashell A CLI package that stores and executes lengthy terminal scripts from a cloud server

- Designed a **microservice** architecture using services and API gateways built in **FastAPI** and **Golang**
- Orchestrated the application on a **Kubernetes** cluster with **Infrastructure as code** in **Terraform**
- Increased application efficiency by integrating **Redis** caching servers and **GraphQL** interfaces

Free Food An application that lets businesses post unneeded food to eliminate waste and feed those in need

- Devised user authentication and security using **JWT** authentication and password hashing
- Created a **REST API** using a **Node.js** server and a **MongoDB** database to store and retrieve data

SKILLS

Languages Python, JavaScript, TypeScript, C++, SQL, Go, Solidity, HTML/CSS

Technologies Node.js, Pandas, React, Redux, Next.JS, Express, Flask, Web3.js, RabbitMQ

Tools Docker, Kubernetes, Jira, Azure, AWS, Linux, Redis, MySQL, Mongo, Git