VISHAL DESH

Software & Robotics Engineer

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EDUCATION

Master of Management
UBC Sauder School of Business

📅 Aug 2020 – 2024 (Expected)   📍 Vancouver, BC, Canada

- Currently enrolled in the **dual degree** for **Bachelors + Master of Management**.

Bachelor of Science
University of British Columbia

📅 Aug 2019 – 2023 (Expected)   📍 Vancouver, BC, Canada

- **Year 4 - Computer Science**.
- **Faculty of Science International Student Scholarship $10,000** awarded to exceptional international students in the faculty of science.
- **Trek Excellence Scholarship (International Student)** Offered to top 5% of International Students their undergraduate year, faculty, and school.
- **Science Scholar / Dean's Honor List**

EXPERIENCE

Teaching Assistant - CPSC, SCIE, DSCI, MDS
University of British Columbia

📅 SEP 2020 - Present   📍 Vancouver, BC, Canada

- Taught 2 Computer Science Courses in **Racket** and **Python** and **Master of Data Science courses**
- Received perfect evaluation scores from all **90+ students** in previous semesters in categories including teaching ability, communication, and preparedness.
- Led labs and office hours, curated course readings, and relayed student needs to professor.

Software Engineer, Curated Analytics Team
People's United Bank

📅 MAY 2021 – SEP 2021   📍 Bridgeport, CT, USA

- Analyzed data and found the percentage of customers who left after bank was acquired by M&T Bank.
- Quantified data in the customer retention model and classified them for each branch in CT.

Technical Team Lead, Control Systems
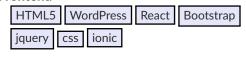**UBC Mars Colony Design team**

📅 JAN 2020 – Present   📍 Vancouver, BC, Canada

- **Lead design and development** of high and low-level control systems for a Sabatier reactor intended for use on Mars.
- **Collaborate with the leadership team of 25 people** to define project scope based on real-life circumstances, such as the advent of SpaceX's starship.
- **Lead software and firmware subteams** to design powerful reactor control solutions.

TECHNICAL SKILLS

Backend

`c` `c++` `java` `python` `node.js` `MySQL` `Android` `Racket` `Git` `R` `firebase` `mongodb`

Frontend

`HTML5` `WordPress` `React` `Bootstrap` `jquery` `css` `ionic`

Certifications

`AWS Cloud Practitioner` `Python Entry : PCEP-30-02` `Python Associate: PCAP-31-03`

PROJECTS

Sketch-Connect
google-cloud, css3, firebase, mongodb, express, javascript, nodejs, reactjs

📅 AUG 2023   📍 Vancouver, BC, Canada

- Inspired by the game exquisite corpse played in elementary school. This is a 4 player collaborative doodling game built with MERN Stack.
- **CPSC 455 - Industry Practices project** going above and beyond with course material.

GitLOVE
biwascheme, css3, firebase, firestore, ionic, javascript, nodejs, reactjs

📅 JUL 2020   📍 Vancouver, BC, Canada

- A **24-Hour hackathon project** which was awarded **second place** overall!
- A **progressive web app** for users to match and send scheme snippets that are run on the other user's end.

CoviDonate
atlas, flask, mongodb, python, react

📅 MAY 2020   📍 Vancouver, BC, Canada

- A **24-Hour hackathon project** which won **first place** overall! It is a A **Web-App** that displays local projects where users can donate money to help the charitable cause to fight COVID-19.
- Learned how to send data back and forth between our **custom API** from the backend.