

Anirudh Duggal

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EDUCATION

University of British Columbia

Bachelor of Science in Combined Major in Science

Vancouver, BC, CA

Exp. Graduation May 2023

Courses Taken : Data Structures and Algorithms, Machine Learning and Data Mining, Computer Vision, Relational Databases, Statistical Inference for Data Science, Probability, Methods for Statistical Learning, Reproducible and Trustworthy Workflows for Data Science.

EXPERIENCE

Software Developer - WorkLearn

Sep. 2021 – Oct. 2022

Hackspace for Innovation And Visualization in Education

Vancouver, BC

- **Managed 100% of client's digital assets** by building a content manager with Node.js and React
- **Increased backend operation speeds by 10%** by implementing search and delete functionalities for a seamless user experience with Node.js and MongoDB
- **Increased online traffic by 50%** by developing a new portal that centralized relevant information and links for university students and faculty
- **Built a continuous deployment pipeline** on Azure cloud for WebGL-related projects and increasing deployment speeds

Android Developer Intern

Sep. 2022 – Oct. 2022

Seleste

Vancouver, BC

- **Individually designed 2 navigational pages** in React Native with complete backend functionality for Android OS to create user profile pages
- **Integrated the entire front and back end services** that save changes to the user profile made by the user by writing the functions that made the API calls to the database
- **Integrated the entire front and back end services** by writing and deploying the functions that made the API calls to the database which enabled changes made to the user profiles to be saved

Software Developer Intern

Jan 2022 – May 2022

Nautical Crime Investigation Services

Vancouver, BC

- **Led the A/B testing** for a novel website design and custom tech stack for a self-hosted landing page
- **Successfully increased user engagement** by creating a new visualization site about nautical crime
- **Researched ML models** and their applications to nautical crime under separate crime baskets

PROJECTS

Lifter | *React Native, SQLite, Expo*

July 2023

- **Developed an android application in React native** that communicates with an SQL database to track users' gym lifts over time
- **Displayed users lifting history as a graph** to allow for easy understanding of progression over time
- **Connected front-end navigational pages** to allow users to input self-reported statistics and persists state across multiple screens

Movie Search | *React, Git, REST API, Postman*

Oct. 2022

- **Developed a website** to search for user input movies and return the title, poster and year of release
- **Queried API database** and parsed the JSON data to display relevant information to the user

Varga App | *React, Git*

Sep. 2021 - Dec. 2021

- **Developed front-end components** for a mobile app that connects university clubs and students
- **Advised my team** on potential user interface upgrades for a cleaner user experience

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Java, .NET

Frameworks: React, React Native, Node.js, Express.js, JUnit, Material-UI

Developer Tools: Git, Microsoft Azure, VS Code, Visual Studio, PyCharm, IntelliJ, Docker

Libraries: pandas, NumPy, Matplotlib, SciPy