Anirudh Duggal

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EDUCATION

University of British Columbia   Vancouver, BC, CA
Combined Bachelor of Science in Computer Science and Statistics   *Graduated 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

Computer Science Tutor   Sep. 2023 – Present
Sealy Tutoring   *Vancouver, BC*

- Engaged with University students and helped teach the fundamentals of programming
- Designed study plans to ensure a comprehensive understanding of the building blocks of Computer Science

Android Developer Co-op | *React Native*   Sep. 2022 – Dec. 2022
Seleste   *Vancouver, BC*

- Developed a user profile page and a settings page to increase app functionality by **25%** by developing in React Native for AndroidOS
- Implemented the saving of user profile changes to the database by writing the functions that made the API calls and integrating the front and back-end services
- Collaborated with a team of 3 developers to avoid pipeline conflicts by developing components in a timely and orderly fashion

Software Developer Co-op | *HTML, CSS, Next.js*   Jan. 2022 – April 2022
Nautical Crime Investigation Services   *Vancouver, BC*

- Designed and developed a novel website in a custom tech stack for a self-hosted single-page application that displayed nautical crime information
- **Led the A/B testing** and continuous development for the novel website design and custom tech stack
- Researched ML models and their applications to nautical crime under separate crime baskets

Software Developer Co-op | *React.js, Node.js, CSS*   Jan. 2021 – Jan. 2022
Hackspace for Innovation And Visualization in Education   *Vancouver, BC*

- Increased online traffic by **over 40%** by developing a new website that centralized relevant information and links for university students and faculty
- Increased backend operation speeds by **15%** by implementing search and delete functionalities for a seamless user experience with Node.js and MongoDB
- Increased deployment speeds by initiating CI/CD workflows on Azure cloud for WebGL-related projects and student portal
- Designed a content management system home page that enabled clients to upload their digital assets

PROJECTS

Open Source Contributions

- Contributed to open-source work by solving existing issues for independent repo owners in JavaScript, HTML, CSS and Python
- Raised bugs and engaged with other open-source developers to bring enhancements and improvement to their work

Lifter | *React Native, SQLite, Expo*

- Developed an android application in React native that communicates with an SQL database to track users' gym lifts over time
- Provide users with a visual display of their analytics to allow for easy understanding of progression over time

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