

Veer Bhatia

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EDUCATION

University of British Columbia

Aug. 2020 – May 2024

Bachelor of Science in Computer Science and Mathematics

Vancouver, BC

- Relevant Coursework: Software Engineering & Design Lab, Software Construction, Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Embedded Systems, Discrete Math, Software Architecture

TECHNICAL SKILLS

Languages: Go, Java, Python, C/C++, JavaScript, TypeScript, SQL, C#, HTML/CSS

Frameworks/Libraries: React, NodeJS, Express, Flask, OpenCV, PyTorch, Firebase, TensorFlow, Spring, Django

Developer Tools: AWS, Docker, MongoDB, Heroku, Azure, Kubernetes, PostgreSQL, Android Studio, JIRA, Git

EXPERIENCE

RBC Capital Markets

Sep. 2022 – Dec. 2022

Software Engineer Intern

New York, NY

Royal Bank of Canada

May 2022 – Aug. 2022

Software Engineer Intern

Toronto, ON

- **Carbon Advisor Team;** Led development on responsive full-stack web application tool and interactive dashboard to measure compute carbon impact for physical and virtual on-premise software (10,000+ active users)
- Designed a REST API using NodeJS and Express providing client teams with application-specific machine-learning enabled recommendations to identify over 9,406 underutilized servers reducing over **\$250,000** in costs and 40,651 grams/kWh of CO2eq emissions per year
- Built and deployed recommendation engine in Flask to productionize 11 machine-learning models powering solution and automated API integration with MongoDB data aggregation pipeline
- Filed a **provisional patent application** for the solution pitched

Cognistx

May 2021 – Aug. 2021

Software Engineer Intern

Seattle, WA

- Developed API Endpoints within a Microservice Architecture with Java, Spring, and Jersey
- Created Exception Mappers to increase security in API responses
- Automated significant amount of End-to-End and integration testing in development applications with Typescript, Selenium, and Webdriver
- Improved resiliency by identifying and fixing bugs in integration tests
- Automated advanced data queries in SQL to develop AI-enabled Web Applications
- Built CI/CD pipelines with Groovy and Jenkins for triggering test automation in deployment process

Game Of Apps

Sep. 2020 – Jan. 2021

Software Development Intern

Vancouver, BC

- Collaborated with designers and senior engineers from different teams to revamp the mobile client to better visualize data from new NoSQL database schema
- Solved critical bug affecting 200+ clients through implementing the MVC design pattern on legacy Swift codebase to identify and fix vulnerability

PROJECTS

Bucket Model | Python, Jupyter, Azure, Firebase, PostgreSQL, Git

Jan. 2022 – April 2022

- Trained and developed a per-player three-pointer accuracy odds determining Machine Learning model based on 41.8k basketball statistics, using PyTorch and Azure Data Classification Tool
- Deployed a program to utilize model to estimate outcomes to every match and statistical over/under accuracy odds for the next year and estimated 11% greater odds of return when compared to in-game field goal odds

Sign Language Interpreter | Python, Azure, TensorFlow, Scikit-learn React

Mar. 2020 – May 2021

- Machine Learning Model trained using 3000+ images from Kaggle for interpreting sign language hand gestures
- Used Azure along with TensorFlow is used to train the RNN with 78% accuracy and interactive frontend using React, Redux, and Materials UI Library with integrated component-based unit testing
- Explored modern neural network architectures, image classification algorithms, and efficient data streaming