

Kavpreet Grewal

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EDUCATION

University of British Columbia

September 2019 – May 2023

Bachelor of Science in Computer Science – GPA: 93 / 100

Vancouver, B.C

- Coursework: Algorithms and Data Structures, Software Construction, Computer Systems, Relational Databases

TECHNICAL SKILLS

Programming Technologies

Java, JavaScript, C++, Python, TypeScript, SQL, HTML, CSS

Node.js, Next.js, React, FastAPI, GraphQL, React Native, MongoDB, Flutter, Firebase, Git

EXPERIENCE

Robinhood

Starting September 2022

Incoming Web Engineer Intern

Facebook

Starting May 2022

Incoming Software Engineer Intern

Rivian

September 2021 – Present

Software Engineer Intern

- Currently working on developing full-stack software applications with the Vehicle Services Software team
- Improved developer experience by writing a script to automatically generate test vehicle service orders with various statuses

Fractional

June 2021 – September 2021

Software Engineer Intern

TypeScript, Next.js, GraphQL

- Worked on developing a social platform for fractional ownership of real estate investment properties
- Led the end-to-end design and implementation of a new property governance feature to allow users to manage their investment properties directly on the platform

UBC Launch Pad

September 2020 – Present

Software Developer

TypeScript, Node.js, React, MongoDB

- Developed a recruitment and club application tool to streamline the recruitment process for student clubs
- Implemented a system to parse applicants' information from a Google Sheet and store the data in MongoDB database
- Reduced application review time by 25% by developing a REST API using Express.js to generate applicant profiles from a Google Sheet, which could then be reviewed and directly graded on the web application

PROJECTS

Notify – SMS News | Hack the North | *JavaScript, Node.js, MongoDB*

- Designed an application to send news article summaries by SMS to those without reliable internet access
- Integrated News API with IBM text summarization using Node.js to fetch top news articles based on user's query and then generate short summaries to send back to the user
- Reduced news article and text summarization requests by 15% by caching search results in MongoDB database

OnTrack – Time Tracker | *Dart, Flutter, Firebase*

- Developed an iOS and Android application using Flutter to help users log hours towards their goals
- Implemented user authentication and stored record of logged hours using Firebase for easy access on any device

Touchless Webpage Scroller | *JavaScript, TensorFlow*

- Built a browser extension using TensorFlow hand tracking to enable users to scroll pages without touching their device

AWARDS & COMPETITIONS

FIRST Robotics World Championship 2019 – Placed 5th out of over 8,000 teams competing worldwide

University of Waterloo CEMC Fermat Math Contest 2018 – Top 1% of over 21,000 contestants

University of Waterloo CEMC Galois Math Contest 2017 – Top 4% of over 8,000 contestants

UBC Y.P. Heung Foundation Award in Science – Awarded to the top 6 students in cohort of 2,000 students