

# Kavpreet Grewal

kavpreetgrewal@gmail.com | kavpreetgrewal.com | github.com/kavpreetgrewal | in/kavpreetgrewal

## EDUCATION

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### University of British Columbia

September 2019 – December 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

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### Programming Technologies

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

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

## EXPERIENCE

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### Robinhood | Kleiner Perkins Fellowship

Starting September 2022

*Incoming Software Engineer Intern*

### Facebook

May 2022 – July 2022

*Software Engineer Intern*

*C++, Apache Thrift, JavaScript*

- Developed the calling state machine for VoIP calls between businesses and consumers on WhatsApp Business to help build the foundation for a new multibillion-dollar revenue stream
- Overhauled the Cloud API VoIP server to support multiple simultaneous calls by running multiple processes

### Rivian

September 2021 – April 2022

*Software Engineer Intern*

*TypeScript, React, GraphQL*

- Spearheaded development of the parts ordering and payments flow with Stripe for the Enterprise Services platform
- Improved developer experience by writing a script to automatically generate test 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

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### 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
- 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

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**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