

Kavpreet Grewal

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EDUCATION

University of British Columbia

September 2019 – December 2023

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

Vancouver, B.C

- Coursework: AI/ML, Computer Networking, Algorithms and Data Structures, Computer Systems

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

Databricks

May 2023 – Present

Software Engineer Intern

Scala, SQL, Spark

Robinhood | Kleiner Perkins Fellowship

September 2022 – December 2022

Software Engineer Intern

Python, React

- Designed and developed a centralized platform for the management of customer support agents' roles and permissions
- Reduced repetitive manual updates and inconsistencies of skilling data between Twilio and Salesforce by enabling bulk skilling updates and syncing data between the platforms

Facebook

May 2022 – July 2022

Software Engineer Intern

C++, Apache Thrift

- 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 – April 2022

Software Developer

TypeScript, Node.js, React, MongoDB

- Developed a recruitment and club application tool to streamline the recruitment process for student clubs
- 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
- Reduced news article and text summarization requests by 15% by caching search results in MongoDB database

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

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