

# Sameer Khan

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## Skills

**Languages:** Java, C++, Python, JavaScript, SQL, C, Elixir, Scheme  
**Technologies:** React, TypeScript, Redux, GCP, GraphQL, Phoenix, Postgres, Node.js, MongoDB

## Experience

### Taplytics

SOFTWARE ENGINEER INTERN

Toronto / San Francisco

Jan. 2021 - Apr. 2021

- Incoming Winter 2021 Software Engineering intern

### Halp

FULL-STACK DEVELOPER

Toronto, ON

Jan. 2020 - Aug. 2020

- Created a new course offering, purchasing & delivery section **increasing paid signup's by 34% using React**
- Ideated, designed & built user tool-tips by conducting user interviews and aligning interests of all teams
- Optimized Api Endpoints with GraphQL resulting in **over 50% decrease (2.8s) in page load times**
- **Increased initial user sign-up by over 25%** by redesigning user sign-up and reducing required fields by 70% using React, & adding social sign-ups.

"Sameer built and shipped major parts of our new courses (from data to back-end to front-end)" - Halp LinkedIn

### Royaltymine

SOFTWARE ENGINEER INTERN

Toronto, ON

May. 2019 - Aug. 2019

- Used React to design responsive, mobile-first web pages **increasing average mobile session duration by 70%**
- Optimized search by implementing a debounce function for live results, reducing search API requests by 55%
- **Decreased landing page load time by 42.6%** by using immutable data structures, reducing source code, & using higher order components, leading to a **23% increase to initial user retention**
- Designed & Built an analytics dashboard displaying earnings data for artists through chart.js visuals and PostgreSQL database queries
- **Improved SEO ranking by 70%** by revamping the site hosting infrastructure in Google Cloud Platform and creating a sitemap

"Sameer is a natural leader who thrives to make a huge impact and achieve the best results" - CTO

## Projects

**Autopilot Vision:** AI Pedestrian and Car detector using Python, highlights all vehicles and pedestrians in video

**Tesla M3 Controls:** Chrome extension using Tesla's API to control Tesla Model 3, Open Trunk, lock & unlock

**My Skills - Amzn Clone:** Amazon clone with my skills as items, ratings as proficiency, price as demand **View here**

**Facebook Clone:** Leveraged react & css design to create a FB clone with posts, stories and more **View here**

**Prod-PI Chrome Ext:** Created a chrome extension using Charts.js to make pi chart of time spent on each site

## Stock Market Bots

**Candlestick bot:** Morning & Evening star & Engulfing 5-min bot for SPY (1000+ trades) || **Outperform market 1.6x**

**WSB Sent Bot:** Gathered reddit WSB's market sentiment and execute long or short || **Underperform market .85x**

**Hyped Stock Bot:** Crawled reddit for most mentioned stock (Mentions/Mkt Cap) & go long || **Outperform market 7x**

## Education

### University of Waterloo

B.S. IN MATHEMATICS - CS & IT MANAGEMENT

Waterloo, ON

Sep. 2018 - Apr 2023

- President's Scholarship of Distinction