Krish Chopra

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EDUCATION

University of Waterloo & Wilfrid Laurier University   *Sep. 2023 - Present*
Candidate for Bachelor of Computer Science and Business Administration - BCS & BBA (Dual Degree)

- **Relevant Courses:** Object-Oriented Software Development (C++), Algorithm Design & Abstraction (C), Functional Programming
- **Awards:** René Descartes National Scholarship ($25,000), President's Scholarship of Distinction ($2,000)
- **Activities/Societies:** Vice President of UW Data Science Club – plan biweekly academic and social events for 350+ club members

EXPERIENCE

Garage (YC W24), *Software Engineering Intern* | New York City, NY   *May 2024 - Aug. 2024*

- Built website features and improved search/sorting algorithms with Next.js & Node.js, increasing site traffic by 65% to 1,000 DAUs
- Architected a recommendation system using vector embeddings, and created an AI-based truck appraisal tool (92% price accuracy)
- Constructed web scraping pipeline (Python, Beautiful Soup) to aggregate dataset of 1,500+ fire trucks and inform product pricing

Royal Bank of Canada, *Software Developer Intern* | Toronto, ON   *Jul. - Aug. 2023 | Jul. - Aug. 2022*

- Automated PDF data extraction process with character recognition (Java, Tesseract OCR) to cut manual data entry time by 75%
- Processed RESTful API requests and improved system architecture to be able to handle 300,000 legal compliance cases per year
- Worked in weekly agile sprints to develop a secure internal URL shortener (*Node.js*, *React*, PostgreSQL), saving 50+ hours/month

Hatch Coding, *Software Developer Intern* | Toronto, ON   *Jul. 2021 - Sep. 2021*

- Managed the Python & JavaScript codebase of the Hatch platform, with over 600 guided projects/challenges for students to build
- Developed and edited existing projects to increase user-friendliness, utilizing the *p5.js* and *Processing.py* programming libraries

York Region Presidents' Council, *Chair* | York Region, ON   *Jul. 2020 - Sep. 2022*

- Led a team of 12 to represent 128,000+ students across the York Region DSB, hosting monthly events to gather student input
- Helped reform the board's Mental Health and Addictions Strategy, resulting in an additional $1 million in mental health funding

PROJECTS

Encore: *React TS, Next.js, Tailwind CSS, Express, PostgreSQL, Supabase*

- Engineering a search and discovery engine for shopping anything secondhand (KAYAK but for online thrifting) - trysecondhand.com
- Working with a team of two developers to aggregate results from over 100 resale sites; currently at 6,000+ monthly active users

Name the Pokémon: *React TS, Next.js, Tailwind CSS, Express, SocketIO*

- Developing a Kahoot-style web multiplayer Pokémon guessing game using Next.js and WebSockets - namethepokemon.com
- Players are shown a Pokémon, and must identify it from four options; with accompanying sound effects, music, and points system

EasyBill: *Swift, SwiftUI, Firebase (Cloud Firestore, Firebase Authentication)*

- Created iOS app to easily log and categorize personal/business expenses—based on title, tag, date, price, and number of people
- Integrated Firebase backend for user registration and authentication, alongside Firestore database to save/retrieve expense data

SKILLS

Languages/Libraries: Python, JavaScript/TypeScript (Next.js, React, Express), Java, C, Swift, Racket, SQL, HTML/CSS, Socket.IO
Tools: Cloud Firestore, Azure/AWS, Linux, Git, Figma, VS Code, LaTeX, Microsoft Office (Excel, Word), Google Workspace/Cloud

HONOURS

First Place in Wilfrid Laurier University, 2024 BDO Future Leaders Business Challenge (1st/200+ teams, $4,000 cash prize)
First Place in Canada & Second Place Internationally, 2023 FBLA NLC Competition – Entrepreneurship (2nd/1,000+ teams)
2023 Schulich Leader Scholarship Offer, McGill University – School of Computer Science ($100,000 offered over 4 years)