

Krish Chopra

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EDUCATION

University of Waterloo

Sep. 2023 - Apr. 2027

Bachelor of Computer Science (BCS), Artificial Intelligence & Business Specialization

- **Relevant Courses:** Data Structures, Algorithm Design, Object-Oriented Development, Digital Logic, Functional Programming
- **Scholarships:** René Descartes National Scholarship (\$25,000), President's Scholarship of Distinction (\$2,000)
- **Awards:** 1st Place – 2025 CxC Datathon (Federato Track, \$3,500), Best AI Smart Contract Auditor – ETHDenver 2025 (\$3,000), 1st Place – 2024 BDO Future Leaders Challenge (\$4,000), 1st Place – Hack the North 2022 (Sonr Track, 4x AirPods Max prize)
- **Activities/Societies:** Data Science Club (Vice President), Wat Street (Backend Engineer), WATonomous (Software Engineer)

EXPERIENCE

BirdseyePost, Software Engineer Intern | Toronto, ON

Jan. 2025 - Apr. 2025

- Spearheaded full-stack development and unit/E2E testing of SnapCapture (**FastAPI, React, Redis, GCP Pub/Sub, Terraform, Pytest, Playwright**)—a new real-time engagement & purchase attribution system that increased average app session duration by 35%
- Built internal web portal for managing print orders using **Next.js & Postgres**, enhancing visibility and managing over \$400K in ARR
- Made business analytics dashboard (**Databricks, SQL**) to process 4M+ profiles—boosted sales call conversion rates from 6% to 18%
- Created cart abandonment data ingestion pipeline with the **Shopify API**, deploying via **Docker & Kubernetes** to double throughput

Encore (YC F24), Software Engineer Contractor | San Francisco, CA

Oct. 2024 - Present

- Led in-app messaging & sharing feature for iOS/Android app (**React Native, Swift**)—3,000+ chat threads now being created daily
- Shipped AI feature for couples to discover personalized, local date ideas (**GPT 4.1 API**)—grew premium user conversion rate by 8%
- Optimized **React hooks** & function calls to reduce **Convex** database bandwidth costs by 22%, supporting 10,000+ daily active users

Garage (YC W24), Software Engineer Intern | New York City, NY

May 2024 - Aug. 2024

- Built website features and improved search/sorting algorithms with **Next.js & Express**, growing site traffic by 65% to 1,000+ DAUs
- Architected truck recommendation system using vector embeddings (**OpenAI API, Pinecone**) and AI appraisal tool (92% accuracy)
- Assembled web scraping pipeline (**Python, BeautifulSoup, Supabase**) to aggregate dataset of 1,500+ fire trucks and inform 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

- Contributed to and refactored core **Python/JavaScript** code across 400+ student projects, enhancing reliability and maintainability
- Improved usability and visual appeal of project templates using **p5.js** and **Processing.py**, boosting learner engagement by 19%

PROJECTS

BrokeChain | Python, FastAPI, Solidity, React JS, CSS, Express, OpenAI API, GitHub OAuth



- Built and fine-tuned an AI agent to scan **Solidity smart contracts** for security vulnerabilities, with **GitHub OAuth** integration
- Won \$3,000 USD at ETHDenver 2025 (the world's largest Ethereum conference), and got featured in Waterloo news article

Name the Pokémon | React TS, Next.js, Tailwind CSS, Express, Socket.IO, Vercel



- Solo developed a Kahoot-style web multiplayer Pokémon guessing game using **Next.js** and **WebSockets** - namethepokemon.com

SKILLS

Languages: Python, JavaScript/TypeScript, Java, C/C++, Swift, SQL, Solidity, Racket, Bash, HTML/CSS

Libraries/Frameworks: React/React Native, Next.js, Express, Tailwind CSS, FastAPI, Flask, Django, Scikit-learn, Pandas, NumPy

Tools: GCP/AWS/Azure, Postgres, Vercel, Cursor, OpenAI API, Supabase, Databricks, Convex, Terraform, Docker, K8s, Redis, Git