

Hinson Chan

Software developer building tomorrow's solutions today.

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Education

- Eric Hamber Secondary School (96% average in core subjects), took 11 APs (10 5s), SAT of 1560, will graduate in 2024
- Accepted Stanford University, Bachelor of Computer Science, will graduate in 2028

Experience

Founding Software Engineer
EduBeyond Education Inc.

July 2023 - Present

- Conducting B2B sales and deploying globally to No.1 Taiwan-based IT services provider, Southeast Asia's largest pharmaceutical company, Indonesia's largest telecommunications company, and international private school chains.
- Working with Canada's leading education research facility, InnovED @University of Toronto
- Helped establish Japan branch teaching 150+ students
- Taught in Jakarta alongside Indonesian charity, Tengan Pengharapan

AI Research Team Lead
EduBeyond Education Inc.

July 2023 - Present

- Lead the research initiative in Natural Language Processing; built popular chain-of-thought Python library widely used by over 7000 developers
- Built adaptive language models with Retrieval Augmented Generation to enhance education
- Collaborated with researchers at Berkeley AI Research Lab; presented findings at IEEE conference and University of Michigan AI Symposium

Full-Stack Software Engineer
EduBeyond Education Inc.

May 2022 - July 2023

- Directed professional development team at UN accredited high impact ed-tech startup to build AI-driven learning platform.
- Built EduBeyond's frontend Nextjs site, designed real-time websocket messaging architecture and backend Express api.
- Interviewed teachers from Canada to Singapore to develop better curriculum
- Contributed to winning 1st at Moonshot awards, finalist for Samsung's Solve for Tomorrow Canada, and semifinalist for MIT Solve[ED].

Extracurriculars

YouTube Filmmaker and Education Communicator

- Garnered over 150,000 views and 1,700 subscribers illuminating on homemade engineering projects and educational videos
- Conducted extensive research on 'Land Checkerboarding'; worked with US Bureau of Land Management and the Nature Conservancy; presented findings in self-produced documentary

CSDCMS CanSat Design Competition - Team Canada

- Designed 300g satellite with on-board computer to conduct scientific mission aboard rocket
- Won 1st place against 18 teams at national CanSat competition
- Representing Canada at 2024 European Space Agency International CanSat event

Pianist

- Achieved RCM 10 certificate & ARCT Harmony with honors after a classical training of 13 years
- Independently orchestrated 'Piano for Covid' fundraiser, \$1,000+
- Studying Jazz piano, lead pianist for school jazz band

Co-president, UBC Physics Olympics team

- Worked extensively to design working vacuum pump using only homemade parts
- Led and mentored team to 2nd place at annual 2024 Physics Olympics competition

President of Programming Club

- Expanded the club from a niche group of five to a community of 30+ members
- Organized weekly meetings discussing programming topics, studying common algorithms and strategies

Executive of Math Club

- Achieved 1st place provincially and regionally for three consecutive years at the Canadian Math Challengers Society

Reach for the Top

- Won four consecutive provincial 1st place trivia titles and 4th in Canada-wide trivia competition

Badminton Athlete

- Competed in numerous state and high school tournaments, past 4th rank in junior provincial B doubles and contributed to consecutive wins for high school team

Publications

Multimodal Retrieval Augmented Generation Evaluation Benchmark

Mar 11, 2024 · IEEE Vehicular Technology Society · 99th Vehicular Technology Conference 2024

Created a multimodal evaluation platform for assessing the performance of Retrieval Augmented Generation (RAG) systems used in Large Language Models.

Skills

Languages

Python, TypeScript/JavaScript, HTML/CSS, Rust, C++, SQL, Golang

Frameworks

React/Next.js, TailwindCSS, Node.js, Express, Flask, Fastapi, PostgreSQL, MongoDB, Websocket

Platforms

Git, Github, Railway, Fly, Vercel, Docker, Figma

Social

Team building, Product development, Instruction and teaching, Research & development

Other

Fluent in English and Cantonese, Basic Mandarin and French

Awards

Rise For The World, Global Finalist

- Recognized as 1 in 500 of the world's brightest teenagers from 170+ countries by Schmidt Futures and the Rhodes Trust
- Competed against 80,000+ students in the 100-day Rise competition, dedicated over 300 hours to project development

Canadian Computing Competition, Junior Division Honour Roll

- Placed 22th/4000 globally (top 0.5%)
- Prepared extensively using past contest problems, conducted biweekly training sessions online for school club members

Crescendo International Music Competition 2020-21, 1st Place

- Selected as a winner from 5,000+ global applicants; scored 29/30

Volunteer

Junior Instructor - UBC Geering Up

July 2022, 139 hours

- Assisted in teaching youth a STEM-themed curriculum
- Worked closely with instructors to manage the teaching process, designed hands-on activities