

Hinson Chan

Software developer building tomorrow's solutions today.

yhc3141@gmail.com
Vancouver, BC
(236)-979-9236
https://flatypus.me

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, one of Indonesia's largest telecommunications companies, 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

<div>YouTube Filmmaker and Education Communicator</div> <ul style="list-style-type: none">- 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	<div>CSDCMS CanSat Design Competition - Team Canada</div> <ul style="list-style-type: none">- 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
<div>Pianist</div> <ul style="list-style-type: none">- 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	<div>Co-president, UBC Physics Olympics team</div> <ul style="list-style-type: none">- Worked extensively to design working vacuum pump using only homemade parts- Led and mentored team to 2nd place at annual 2024 Physics Olympics competition
<div>President of Programming Club</div> <ul style="list-style-type: none">- 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	<div>Executive of Math Club</div> <ul style="list-style-type: none">- Achieved 1st place provincially and regionally for three consecutive years at the Canadian Math Challengers Society
<div>Reach for the Top</div> <ul style="list-style-type: none">- Won four consecutive provincial 1st place trivia titles and 4th in Canada-wide trivia competition	<div>Badminton Athlete</div> <ul style="list-style-type: none">- 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.

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

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