# Ethan Cratchley

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## EDUCATION

**Simon Fraser University – Beedie School of Business**  Sep 2022 – Jun 2026

*Bachelor of Business Administration*

- **Coursework:** *Calculus, Business Computing, Business Information Systems, Business Statistics, Managerial Accounting, Financial Accounting, Discrete Mathematics, Microeconomics, Macroeconomics, Intro to Computer Sciences*

## Experience

**Operations Intern**  Apr 2024 – Aug 2024

*Wilson Beck Insurance*  *Vancouver, BC*

- Utilized Applied Epic software to work with clients and co-workers to aid in the insurance process.
- Answered phone calls from clients using Mitel and communicated with them to give them the support needed.
- Researched and helped in building multiple internal company procedures including innovative AI workflows.
- Built projects in Python to aid in improving internal company operations.

**Sustainability and Square One Financial Project Representative**  Oct 2023 – Jun 2024

*Enactus Capilano*  *Vancouver, BC*

- Built PowerPoints to be presented to classrooms around BC for a total of over 300 students.
- Coordinated events with over 100 people while managing and leading the team.
- Worked with the team to build and maintain a financial budgeting app/website to be used by over 500 students.
- Assisted in competing in Calgary for Regional competition (2nd Place) and Toronto for National competition (Top 20).

**Co-Founder**  Mar 2020 – Aug 2020

*DewHack*  *Remote*

- Used Discord API to manage and build a discord server for customers and staff close to 100 members in size.
- Contracted graphic design artists to design company websites, logos, and more.
- Worked with customers and co-workers from NA, EU, Asia to grow the company and respond to customer feedback.
- Built a website and set up cyber security measures using Cloudflare and web hosting using a SolarWinds VPS.

## Projects

**Financial Modelling & Algo Trading Development** | *Excel, Python, Google Cloud*  Nov 2023 – Present
- Modeled over 20 different public company's SEC filings of both financial quarterly and annual reports
- Used NPV and discounted cash flow techniques to calculate the future value of companies and their stock price.
- Used Excel to do company accounting and financial math calculations as well as Excel functions for efficiency.
- Utilized Python to back test and do walk through testing analysis on different algorithmic trading strategies.
- Connected algo trading strategies to Google Cloud to be more efficient by running and testing strategies at all times.

**Financial Fast Feed** | *Python, JavaScript, CSS, MongoDB, Git, React, Render*  Dec 2023 – Aug 2024
- Fetch financial news RSS feeds from 17 sources with Python and summarize them with OpenAI API.
- Store complete data and summarization of RSS feeds to MongoDB at a rate of up to 136 times per day automatically.
- Hosted the website using Render and Next with frontend completed using React, JavaScript, CSS.
- Use Crontab to run the program every 3 hours for the most up to date financial news.

**Learn2Launch** | *JavaScript, Node, Express, HTML, CSS, Git, GPT API, MongoDB*  Jan 2024 – Feb 2024
- Won Best Educational Project award at CrackedDevs 2024 Hackathon.
- Utilized ChatGPT API to help students create flashcards, summarize, and study quizzes.
- Maintained user security and login information with MongoDB and used CrackedDevs API for people to find >2000 jobs.

## SKILLS, HONORS, ORGANIZATIONS, AND HOBBIES

**Languages**: Python, SQL, HTML, JavaScript, CSS
**Frameworks**: MongoDB, React, Next, Node, Express, Flask
**Tools**: Git, AWS, Vercel, Access, Excel, Heroku, Jupyter Notebook, Render, Google Cloud
**Honors**: WinterHacks 2024 Best Pitch, CrackedDevs 2024 Best Educational Project, BMO Marathon Completion, Gruesome Twosome Half Marathon 7th Place
**Organizations**: Enactus Capilano
**Hobbies**: Tri Sports & Fitness, Mountain Sports, Soccer, Chess, Tennis, Golf, Reading, Poker