

Ethan Cratchley

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EDUCATION

Capilano University

Sept 2022 – Jun 2026

Bachelor of Business Administration

- **Coursework:** Calculus, Business Computing, Business Information Systems, Statistics, Microeconomics, Macroeconomics, Managerial Accounting

Projects

Winter Watch / Python, HTML, CSS, JavaScript, Flask, Git

Jan 2024 – Present

- Won Best Pitch award at Winter Hacks 2024.
- Implemented Google Maps API to dynamically display locations for the user and OpenWeatherMap API to fetch and display 20+ weather metrics
- Calculated safety algorithms to display a score on a scale of 0-100 to determine safety outdoors.
- Hosted on Heroku for API usage as well as website hosting.

Learn2Launch / JavaScript, CSS, HTML, Node, Express, GPT API, MongoDB, Git

Jan 2024 – Present

- Won Best Educational Project award at CrackedDevs 2024 Hackathon.
- Utilized GPT API to generate flashcards, quiz's, study plans, summarization, and more.
- Fetched CrackedDevs API for job search and filtering functionality to allow users to search for over 2500 jobs.
- Implemented prompt engineering to ensure the accuracy of the AI responses.
- Built a secure user sign-in and register feature with JavaScript and MongoDB.

GPT Financial News / Python, JavaScript, CSS, MongoDB, Git, React, Vercel, Next, Heroku

Dec 2023 – Jan 2024

- Fetch financial news RSS feeds from 13 sources with Python and summarize them with GPT API.
- Store complete data and summarization of RSS feeds to MongoDB at a rate of 26 times per day automatically.
- Host website using Vercel and Next with frontend completed using React, JavaScript, CSS.
- Use Crontab to run the program once a day at 1:30 pm PST hosted on Heroku.
- Using the website you can get quick and accurate information on what is happening in the financial markets allowing you to make better financial decisions.

Experience

Sustainability and Square One Project Representative

Oct 2023 – Present

Enactus Capilano

Vancouver, BC

- Built PowerPoints to be presented to classrooms around BC for a total of over 300 students.
- Attended meetings, contributed ideas and solutions to projects like Square One.
- Worked with the team to build and maintain a financial budgeting app/website to be used by over 500 students.
- Prepared for Regionals and Nationals business case study competitions.

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 website and logo.
- Worked with customers and co-workers from NA, EU, Asia to grow the company and respond to customer feedback.
- Built a website and setup cyber security measures using Cloudflare and Web Hosting using a SolarWinds VPS.

SKILLS, HONORS, AND ORGANIZATIONS

Languages: Python, SQL, HTML, JavaScript, CSS

Frameworks: MongoDB, React, Next, Node, Express, Flask

Tools: Git, AWS, GPT API, Vercel, Jupyter Notebook, Access, Excel, Heroku, Jupyter Notebook

Libraries: pandas, NumPy, Matplotlib, BeautifulSoup, feedparser, scikit-learn, seaborn

Honors: WinterHacks 2024 Best Pitch, CrackedDevs 2024 Best Educational Project, BMO Marathon Completion, Gruesome Twosome Half Marathon 7th Place

Organizations: Enactus Capilano