Ethan Cratchley

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EDUCATION

Capilano University — Sep 2022 – Jun 2026
Bachelor of Business Administration
- **Coursework:** *Calculus, Business Computing, Business Information Systems, Business Statistics, Managerial Accounting, Financial Accounting, Financial Mathematics, Microeconomics, Macroeconomics*

Projects

Learn2Launch / *JavaScript, Node, Express, HTML, CSS, Git, GPT API, MongoDB* — Jan 2024 – Present
- Won Best Educational Project award at CrackedDevs 2024 Hackathon.
- Utilized ChatGPT API to help students create flashcards, summarize, and study quiz's
- Maintained user security and login information with MongoDB.
- Implemented CrackedDevs API to empower people to find over 2000 jobs around the world and prepare for them.

Financial Modelling / *Excel* — Nov 2023 – Present
- Modelled over 10 different public company's financial statements including Google, Microsoft, Tesla.
- Used NPV and discounted cashflow techniques to calculate the future value of companies and their stock price.
- Researched company SEC filings and earnings calls to learn more about the company.
- Used Excel to do company accounting and financial math calculations as well as Excel functions for efficiency.
- The calculations and research are used to make financial decisions with confidence with any amount of AUM.

GPT Financial News / *Python, JavaScript, CSS, MongoDB, Git, React, Vercel, Next, AWS* — 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 3 times a day at different times hosted on AWS.
- 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.
- Preparing 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, logo, 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 setup cyber security measures using Cloudflare and web hosting using a SolarWinds VPS.

SKILLS, HONORS, AND ORGANIZATIONS

Skills: Excel, Access, Python, SQL, PowerPoint, Word, Jupyter Notebook
Honors: WinterHacks 2024 Best Pitch, CrackedDevs 2024 Best Educational Project, BMO Marathon Completion, Gruesome Twosome Half Marathon 7th Place
Organizations: Enactus Capilano