

Owen Hochwald

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Objective

Seeking entry-level Software Developer role focused on AI/ML at a growing technology development company.

Education

The University of British Columbia
BS in Computer Science — Minor Data Science

Expected Graduation:
May 2027

- **GPA:** 4.3/4.3

Experience

Coding Team Co-pilot Internship
Fullstack Development, AI Integration

UBC Vision Cognition Lab
May 2025 – Present

- Leading the integration of an **AI-powered chatbot** and **object detection model** into the lab's website to enhance research interactivity.
- Developed and maintained full-stack features using **React, Redux, and Express**, improving user experience for cognitive science tools.

Software & Machine Learning Engineer Intern – API & AI Development
Sentiment classification, FastAPI, Automation, Process optimization

Insomniac Design, Inc.
June 2023 – Aug 2023

- Engineered and deployed a sentiment classification API using **FastAPI** and **Lbl2Vec**, **automating** customer report categorization.
- Enhanced the software development lifecycle by documenting and optimizing processes, resulting in a 20% reduction in project completion time and a 15% increase in overall team productivity.

Projects

Shakespeare GPT: Ever wanted infinite plays?

[Code ↗](#)

- Developed deep learning models (**bigram & GPT-like**) using **PyTorch** to generate Shakespearean text, achieving a **4x reduction in training loss**, significantly improving text coherence and creative quality.
- Implemented **character-level tokenization**, enhancing processing efficiency by 30% compared to a bigram model and accelerating text generation and model training.

AdmitifyAI - AI-Powered College Admissions Prediction & Matching

[Website ↗](#)

- Built a full-stack platform using **NextJS, Supabase**, and **DeepSeek** to predict admissions chances from holistic college applications, integrating academic data, extracurriculars, and essays.
- Developed a personalized AI-driven recommendation system delivering targeted advice to improve applicant success for each matched school.

Pawsture Pal Chrome Extension

[Extension ↗](#) — [Code ↗](#)

- Developed a **Chrome extension** with **JavaScript** to promote better posture habits and productivity among users with friendly cat reminders.
- Published the extension to the **Chrome Web Store**, attracting over **100 downloads** within the first month and a **5-star rating**.

Technical Skills

Languages: Python, JavaScript, Java, TypeScript, CSS & HTML5, SQL

Developer Tools: Google Cloud Platform, Git, Prisma, Jira, Firebase, Vercel, Supabase

Libraries/Frameworks: Pytorch, TensorFlow, Numpy, Pandas, React, PostgreSQL, FastAPI, Svelte, Node.JS, MongoDB