Justin Bax

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Hiring Manager
COMPANY NAME

Dear Hiring Manager,

I am a Software Engineering student at the University of Waterloo with a college education in computer science and extensive experience with SKILL. As such, I am very excited to apply for the position of POSITION at COMPANY that perfectly aligns with my professional goals of GOALS. ADDITIONAL SENTENCE.

I have been programming for more than 8 years as a profession, hobby and self-directed extracurricular activity. This experience includes:

- Development and deployment of an autonomous pipeline for a machine learning workflow designed to match students to tech jobs (from preprocessing to comparing final embeddings against a vector database)

- Experience at an early-stage startup as one of the first software engineers, demonstrating high autonomy and leading the company to its first successful launch

- Initiative for the implementation of automatic unit testing in internal APIs, taking the lead for sustainable development practices for the team

- Professional experience with building and deploying full-stack applications in React, including a Python backend utilizing and databases cloud storage, and serverless technologies (PostgreSQL, MongoDB Atlas, AWS S3 and Lambda)

- Professional experience with building and deploying full-stack applications in React and Next.js (JavaScript), integrating data from internal and external APIs into responsive pages

- Creation of backends utilizing databases, cloud storage, and serverless technologies (PostgreSQL, MongoDB Atlas, AWS S3 and Lambda)

- Statistical and probabilistical modeling as part of my role as co-researcher in a study on the usability of open-source, which was presented at a worldwide open-source conference (DebConf)

- Development and deployment of a web scraping API in Python in a professional setting, implementing seamless integration of Devpost (hackathon) data to the application

- Research in the optimization and performance monitoring of AI algorithms as affected by new modern types of priority queues

- Thorough experience with the maintenance of systems, including OS scripting, hardware and software maintenance, live bug fixes, and network configuration

Since this experience is highly relevant to the role, as demonstrated above, I possess more than the required basic skills in SKILLS for this position.

Thank you for your consideration,

Justin Bax