# Zejia Cai

## Junior Software Developer

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## TO

**Bea Claret Lota**
GeologicAI
7745 66 St SE
Calgary, AB T2C 5S9
May 16th, 2023

Dear Bea Claret Lota,

My name is Zejia Cai (James) and I would like to express my enthusiasm for the WPF C# Software Development position within GeologicAI that's posted on Linkedin. I have been learning about your company and I am impressed by the company culture and commitments that your company has made to collaboration, innovation and safety of people. My passion for these principles aligns perfectly with your company's vision. I have proven my ability to accomplish hands-on tasks and solve unfamiliar problems, and I would be thrilled to use these skills to help the company.

During my research project at SFU, I designed and implemented a software tool for enhancing 3D models with human-interactive components, which honed my problem-solving and time management abilities , and allowed me to adapt rapidly to new technologies. This research project comprises engineering concepts, 3D models, C#, and RhinoCeros, which I had never learnt in my courses. However, I managed to learn all the unfamiliar concepts and finished the project in just 6 months while I was taking another four courses. Since the software tool is open sourced, therefore, therefore, I have ensured it is clean and maintainable, with comprehensive software documentation, as I typically do. During the project, my role required significant collaboration with a multidisciplinary team that defined requirements, design solutions and test functionality throughout the whole project, which prepared me to work effectively in GeologicAI's collaborative and innovative environment.

In addition to my research project experience, I have experience working with implementing software applications using C/C++, C#, Python, Java and Kotlin. For example, I have learnt data structure in C++ and implemented a path finding software tool as the final course project. This software comprised three pathfinding methods leveraging multiple self-implemented data structure classes in C++. I also have a strong knowledge of database administration, database installation and security. For example, recently I have implemented the backend of a website as my final project on my Distributed System course. The backend services are designed to manage data in their databases and perform tasks. Moreover, I also deployed these databases on the cloud.

Additionally, my experience with version control systems like Git, along with my strong communication and problem solving skills will allow me to make significant contributions to your team. While most of my experience aligns with the job description, I haven't had the opportunity to work directly with WPF in my previous experience. However, I am confident in my ability to rapidly acquire new skills and adapt to cutting-edge technologies. As a person who experiences many different cultures, I hope my experience can help GeologicAI to make more innovative products in the field of mining. I would enjoy discussing with you more about my qualifications for this position. Thank you for your consideration and I am looking forward to hearing from you soon.

Sincerely,

Zejia Cai