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Michelle Liu
Earthquake Science Center
12201 Sunrise Valley Drive
Reston, VA 20192

Dear Michelle,

My name is Ben Brown, a recently Graduated Electrical Engineer from RIT, and I'm excited to apply as an Edge Computer Scientist at the Earthquake Science Center. I am thrilled by any opportunity to apply my knowledge in machine learning, applied statistics, and software development to an organization with a high focus on the public good. With my diverse background granted by cooperative education experiences during my degree, and my 2+ years experience developing software for diverse industries, I am confident that I am wholly prepared to enter into geophysics with high impact and value.

My experience as a software developer spans multiple industries, but across all of them my legacy lies in high impact, innovative, cross-disciplinary applications that provide lasting impact on the projects that employed me. During my time at TIMET, I had the privilege of spearheading a new approach to the monitoring of titanium production. My software development and statistical techniques directly contributed to an effort that would save the company millions on production defects anually. This experience is analagous to the role I would take up as an Edge Computer Scientist, where I would be responsible for novel computational solutions as well as algorithm development and assessment. I can take the lessons from this experience as well as every other experience since to create cohesive, manageable, efficient software tools for USGS's needs.

In short, being on the cutting edge of research and development is and always will be a primary motivation for my work. That is why I want to work at the Earthquake Science Center, so I can push the boundaries of human knowledge in an environment of people that want the same. I enjoy facing problems that have never been solved before, and I learn voraciously in order to overcome obstacles that face me. I'm excited to hear more about this position. I believe that the US Geological Survey possesses everything that I need in order to grow into a successful developer focused on the greater good. Please refer to my resume for further details about my skills and experience, and feel free to reach out to me with any other questions.

Thank you for your consideration,

Ben Brown