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Dear Sergey and hiring team,

I'm a software engineer with over 11 years of experience building scientific computing tools looking to apply my skills to broad-impact cutting-edge problems. I'd love the opportunity to bring my experience and enthusiasm to your team and nvmath-python. My past colleagues and current Nvidians Xi Wang and Yancheng Zheng forwarded this role to me on LinkedIn. My experience working for MathWorks allowed me to serve users working in a high-level environment needing to access cutting-edge performance and functionality. I'm thrilled to have the opportunity to bring my experience and user focus to your broad audience at NVIDIA while pushing the boundaries of technology.

As a senior software engineer, senior team lead, and manager on the MATLAB Coder team at MathWorks my team and I enhanced the ability for users to write MATLAB code, compile it to C++, and deploy their algorithms to standalone hardware while achieving excellent performance. During my tenure, I worked to expand the compiler's support for the MATLAB language and libraries by adding 64-bit integer support and developing a sparse matrix type for the compiler. I worked to improve the performance of the generated code by making it call high-performance libraries like BLAS and LAPACK, reducing runtimes up to 40%.

Understanding and engaging with users' needs to deliver meaningful functionality is a top priority and passion of mine. While driving product direction, I prioritized improving ease of use, optimizing generated code, and expanding MATLAB support in code generation for our users. I would love the opportunity to bring my experience and passion to the nvmath-python team and work with you to continue serving the scientific computing community.

All the best,

W. Ryan Livingston