

**Subject:** Application for the position of Assistant Professor

**To whom it may concern:**

Attached, find my application for the position of Assistant Professor in the Department of Mathematics at [REDACTED]. I am excited by the small class sizes [REDACTED] as well as the comprehensive liberal arts philosophy at [REDACTED]. Simultaneously, I value the College and Department's commitments to support a diverse academic community, and believe my own efforts towards increased equity within mathematics will be appreciated in such an environment.

My research focuses on the design and analysis of *fast and theoretically justified* algorithms for fundamental linear algebra tasks, and is characterized by broad collaboration with researchers from nearby fields such as theoretical computer science, optimization, computational physics, etc. An important aspect of my research program is the *mentorship and training of students*, and I am particularly proud of the fact that the majority of the students I have worked with come from groups underrepresented in STEM.

I also care deeply about education, and am committed to creating welcoming and inclusive classroom environments. My teaching style involves active learning, particularly through the use of breakout groups and in-class worksheets. I regularly receive positive feedback on the effectiveness of my class design, which I believe is a direct result of the effort and care I put into my teaching.

In addition to the provided letters, letters are available from [REDACTED]  
[REDACTED]

I hope you will consider my application, and I eagerly await your reply!

Sincerely,



Tyler Chen