

Gerardo Andrés Mazzei Capote

45 N. Randall Ave, Apt. 109 • Madison, WI- 53715, U.S.A.

(608) 622-4643 • mazzeicapote@wisc.edu

[linkedin.com/in/gerardo-mazzei-capote](https://www.linkedin.com/in/gerardo-mazzei-capote)

COVER LETTER

September 28th, 2020

To the Hiring Manager at 3D Systems:

3D systems' longevity and trajectory in the Additive Manufacturing field, as well as its drive to innovate and constantly evolve resonate with my personal values and pique my interest in your company, its vision, and mission. My name is Gerardo, and I am an eager engineer aiming to successfully apply to the position of Applied Research Engineer within your institution.

I am known between my peers as a highly versatile and independent research scientist who works great in a team. During my graduate studies, I had to tackle a variety of challenges related to fracture mechanics, data analysis, coding, polymer processing, and toolpathing. In my previous position as teaching and research assistant at the Polymer Engineering Center, my organizational and communicational skills, as well as my eagerness to learn quickly proved to be valuable assets to Prof. Tim Osswald, co-director of the institute. My efforts directly resulted in high ratings from students in multiple classes taught; technical presentations at world-renowned conferences of the likes of SFF, AMUG, and RAPID+TCT; and the generation of active funds for the institution through participation in multi-departmental grants, research ventures, and proposal submissions. I have also successfully managed undergraduate research assistants, and coordinated cooperative projects between universities, industry, and institutes, such as collaborations with BMW, Netzsch, the Technical University of Munich, and the University of Lyon - ENISE. Finally, my design expertise has resulted in the development of 3D printed heat exchangers, and a proof of concept COVID19 mask —a project funded by the Wisconsin Alumni Research Foundation. Finally, I performed the function of lab manager of my research group, where I was in charge of ensuring adherence to safety guidelines, coordinating machine maintenance, and writing SOPs.

I truly believe that my expertise of Additive Manufacturing technologies and polymer processing techniques can aid the talented team at 3D Systems in creating physical products at a digital pace, and I would love to be given the opportunity to contribute to your enterprise. If my profile interests you, it would be a privilege to discuss details of career opportunities whenever it is convenient for you. Thank you for your time, and I look forward to hearing from you.

Sincerely,

Gerardo A. Mazzei Capote