

# Stanford

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## Ryan Michael Aronson

Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2018

### Bio

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#### BIO

I am a third year PhD student in the Institute for Computational and Mathematical Engineering (ICME). I am mainly interested in developing numerical methods with applications to computational mechanics and fluid dynamics. I am particularly interested in high-order, structure-preserving, finite element, and isogeometric methods. Currently I am working with Professor Doug James in the area of fluid sound synthesis. Prior to coming to Stanford, I earned a B.S. in Aerospace Engineering Sciences at the University of Colorado Boulder, where I worked with Professor John Evans on residual-based variational multiscale turbulence modeling and isogeometric, structure-preserving collocation methods.

#### EDUCATION AND CERTIFICATIONS

- B.S., University of Colorado Boulder , Aerospace Engineering Sciences (2018)