

Spencer H. Bryngelson

Assistant Professor

School of Computational Science & Engineering, Georgia Institute of Technology

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1 Education

- University of Illinois at Urbana–Champaign
 - (2017) Doctor of Philosophy, Theoretical & Applied Mechanics
 - (2015) Master of Science, Theoretical & Applied Mechanics
 - (2015) Graduate Certificate, Computational Science & Engineering
- University of Michigan–Dearborn
 - (2013) Bachelor of Science, Mechanical Engineering
 - (2013) Bachelor of Science, Engineering Mathematics

2 Research positions

- (2021–Present) Assistant Professor, School of Computational Science & Engineering, College of Computing, Georgia Institute of Technology
- (2018–21) Senior Postdoctoral Scholar, California Institute of Technology, with Tim Colonius
- (2019) Visiting Researcher, Massachusetts Institute of Technology, with Themis Sapsis
- (2017–18) Postdoctor Researcher, XPACC, with Carlos Pantano, Dan Bodony, Jon Freund
- (2013–17) Graduate Research Fellow, University of Illinois at Urbana–Champaign, with Jon Freund
- (2012–13) UG Research Assistant, University of Michigan–Dearborn, with Eric Ratts

3 Awards

- (2017) Stanley Weiss Outstanding Dissertation Award, University of Illinois at Urbana–Champaign
- (2016) Hassan Aref Award (research in fluid mechanics), University of Illinois at Urbana–Champaign
- (2015) Alumni Teaching Fellowship, University of Illinois at Urbana–Champaign

4 Funded grants and allocations

- (2022) co-PI: GTRI IRAD, “*Quantum optimization for lattice Boltzmann simulation (QOLBS)*” (\$20K), PI B. Gard (GTRI)
- (2022) PI: GTQA DE00013211, “*Quantum algorithms for lattice Boltzmann fluid flow simulation*” (\$14.5K)
- (2021–22) PI: XSEDE PHY210084 (200K Node Hours)
- (2021–22) PI: Oak Ridge National Lab CFD154, Director’s Discretionary (10K Node Hours)

5 Publications

See comp-physics.group/publications or the attached publication list.