

EDUCATION

- **Florida State University** 600 W College Ave, Tallahassee, FL 32306
 - Ph.D. (Expected), Computational Science *June 2020 – July 2022*
 - M.S., Computational Science *Aug. 2017 – May 2020*
 - B.S., Mechanical Engineering (double major: Applied and Computational Mathematics) *Jan. 2013 – May 2017*

EXPERIENCE

- **Naval Undersea Warfare Center Division Newport** 1176 Howell St, Newport, RI 02841
 - *SMART Summer research intern, Signal Processing and Algorithm Development Branch* *May 2021 - July 2021*
- **NASA Langley Research Center** 1 Nasa Dr, Hampton, VA 23666
 - *Summer research intern, Aerothermodynamics Branch* *June 2018 - Aug. 2018*
- **Los Alamos National Laboratory** Bikini Atoll Rd SM 30, Los Alamos, NM 87545
 - *Summer research intern, Computational Physics Student Summer Workshop* *June 2016 - Aug. 2016*
- **National High Magnetic Field Laboratory** 1800 E Paul Dirac Dr, Tallahassee, FL 32310
 - *Undergraduate research assistant, Guo Cryogenics Lab* *Jan. 2016 - May 2016*
- **Florida State University** 600 W College Ave, Tallahassee, FL 32306
 - *Undergraduate research assistant, Taira CFD Lab* *June 2014 - July 2015*

SCHOLARSHIPS AND AWARDS

- **SMART Scholarship-for-Service Program** Aug. 2020 - July 2022

TEACHING

- **Florida State University** 600 W College Ave, Tallahassee, FL 32306
 - *Teaching assistant, Department of Scientific Computing* *2017 - 2020*
 - Introduction to Game and Simulator Design I, Fall 2017
 - Introduction to Game and Simulator Design II, Spring 2018
 - Introduction to Game and Simulator Design I, Fall 2018
 - Applied Computational Science II, Spring 2019
 - Introduction to Scientific Programming (Instructor of record), Fall 2019
 - Applied Computational Science II, Spring 2020

PUBLICATIONS

2022

1. Brandon Gusto and Tomasz Plewa, "A Hybrid Adaptive Multiresolution Approach for the Efficient Simulation of Reactive Flows," *Computer Physics Communications*, accepted, 2022.

PRESENTATIONS

Conference

1. (upcoming) 17th International Workshop on the Physics of Compressible Turbulent Mixing, Atlanta, USA, Date TBD

Seminar

1. Florida State University, Department of Scientific Computing, October 21, 2020 (virtual)

COMMUNITY OUTREACH

- **Florida State University** 600 W College Ave, Tallahassee, FL 32306
 - *Intern, Stem Outreach for At-Risk Youth (SOAR) Internship* *Jan. 2017 - May 2017*