Emily Herbert

 $emilyherbert@cs.umass.edu \bullet emilyherbert.com$

EDUCATION	University of Massachusetts Amherst, Amherst, MA
	Trinity University , San Antonio, TX
RESEARCH EXPERIENCE	University of Massachusetts Amherst, Amherst, MA
	Trinity University, San Antonio, TX
TEACHING EXPERIENCE	 University of Massachusetts Amherst, Amherst, MA
	 Trinity University, San Antonio, TX. Aug 2016 – May 2018 Teaching Assistant Assisted in the Principles of Computer Science I, Principles of Computer Science II, and Introduction to Programming Logic courses. Acted as a resource for students for help with Scala, ScalaFX, Akka, Java, JavaFX, and Greenfoot. Designed, implemented, and upkept test server for student projects using Scala, Akka, and Actors. Monitor student progress, host office hours, meet with students by appointment, host exam review sessions.
AWARDS	PLMW and POPL 2019 Scholarship
INTERNSHIP EXPERIENCE	National Aeronautics and Space Administration (NASA), Langley, VA June 2017 – Aug 2017 NASA Internships, Fellowships, and Scholarships (NIFS) Intern • Contributed to the NASA Safeguard autonomous drone geofencing project. • Designed and implemented system for on-board flight control of GPS devices. • Refactored code from previous NASA flight missions to meet current mission standards. General Electric (GE), Oil & Gas, Billerica, MA
SERVICE	Trinity University, San Antonio, TX University Curriculum Council (UCC)

Trinity University Women in Computing (TUWIC)Jan 2016 – May 2018

- Acted as a point of contact between the Trinity University Computer Science department and the collective body of female Computer Science majors.
- Organized club activities, recruited new members, maintained active club status.
- Hosted the 2017 TUWIC TECH Camp, a three week long tech bootcamp for middle-school aged girls interested in STEM.

RELEVANT COURSEWORK

University of Massachusetts Amherst, Amherst, MA

• Implement systems for program interpretation, type checking, verification, and compilation.

SKILLS Languages

Scala, Python, C++, Java, Haskell, OCaml, C, C#

Libraries

Pytorch, Numpy, Keras, Tensorflow, Akka, ScalaFX, JavaFX, Matplotlib, Deeplearning4j, MLib, Tensorboard

Software

Eclipse, Greenfoot, Unity, Visual Studio, VxWorks

Tools

Apache Spark, LaTeX, XML, HTML, Alex, Happy