

Daniel Scrivener

Email: danielscrivener8@gmail.com

Phone: (508) 665-9226

I am a second-year PhD candidate at Boston University in the Department of Computer Science currently studying graphics and geometry processing. As a lifelong computer enthusiast, the prospect of working with people from all walks of life to solve intriguing, complex problems is what motivates me to excel in this field. My strong foundation in computer science theory allows me to approach new frameworks and paradigms with great flexibility.

Academic History

Boston University — September 2018 through May 2022

College of Arts and Sciences

Major: Computer Science

Summa Cum Laude, Honors in CS

Minor: Spanish

GPA: 3.98

Selected Computer Science Coursework

Computer Graphics, Geometry Processing, Computational Fabrication, Image and Video Computing, Software Engineering, Operating Systems, Database Systems, Networks

Core Skills

- ❖ *Primary languages: Python, C, C++*
- ❖ Geometry Processing (Eigen, OpenMesh, gpytoolbox)
- ❖ Numerical Computing in Python (NumPy, SciPy, Pandas)
- ❖ Computer Graphics (OpenGL)
- ❖ 3D modeling (SolidWorks, Onshape)
- ❖ General chemistry lab skills (NMR, UV-Vis spectroscopy, chromatography)
- ❖ Fluent Spanish speaker (written & oral communication)

Activities

- ❖ MIT Summer Geometry Institute: Intensive introduction to geometry processing, culminating in hands-on research with leading academic figures in the field (Fellow Summer 2022, Volunteer Summer 2023)
- ❖ Senior Capstone Project: Engineering and documentation of user-configurable hardware designed for use in introductory systems courses (May 2021 - May 2022)
- ❖ BU Study Abroad: Madrid Science Program (Fall 2019)
- ❖ Capstone Research Project on enzyme kinetics for Intensive Gen. and Quant. Analytical Chemistry 1 (Spring 2019)

Teaching Experience

- ❖ Geometric Algorithms (BU CS 132)
 - Spring 2023: Teaching Fellow
 - Fall 2021, Spring 2022: Teaching Assistant (undergraduate Teaching Fellow)
 - Spring 2021: Course Assistant
- ❖ Computer Graphics (BU CS 480/680)
 - Fall 2022, Fall 2023: Teaching Fellow
- ❖ Paid tutor in Organic Chemistry I (BU CH 203) for BU Madrid Science Program, The Autonomous University of Madrid (Fall 2019)

Honors

- ❖ BU Cardinal Medeiros Scholar: Full-tuition scholarship
- ❖ BU Dean's List (all semesters)
- ❖ National Merit Scholar (Finalist)
- ❖ National Hispanic Scholar