

Daniel Biurci Scrivener

📍 Boston, MA ✉ dscriv@bu.edu 🌐 scrivener.studio 🐙 biurci-scrivener

I am a fourth-year PhD student at Boston University working on problems in graphics and geometry processing with [Edward Chien](#) [✉](#).

Education

Boston University

PhD in Computer Science

Sept 2022 – Present

- GPA: 3.95/4.0
- **Coursework:** Image and Video Computing, Optimization Algorithms

BA in Computer Science

Sept 2018 – May 2022

Summa Cum Laude, Honors in C.S.

Minor in Spanish

- GPA: 3.98/4.0
- **Coursework:** Computer Graphics, Geometry Processing, Computational Fabrication

Publications

Faraday Cage Estimation of Normals for Point Clouds and Ribbon Sketches

August 2025

Daniel Scrivener, Daniel Cui, Ellis Coldren, S. Mazdak Abulnaga, Mikhail Bessmeltsev, Edward Chien

Presented at [SIGGRAPH 2025](#) [✉](#) — **Honorable Mention for Best Paper**

Award

dl.acm.org/doi/10.1145/3731212 [✉](#)

[Project page](#) [✉](#)

Winding Number Features for Vector Sketch Colorization

June 2024

Daniel Scrivener, Ellis Coldren, Edward Chien

Presented at [SGP 2024](#) [✉](#)

10.1111/cgf.15141 [✉](#)

[Project page](#) [✉](#)

Teaching Fellowships

- BU CS 131, Combinatoric Structures (Summer I & II 2025)
- BU CS 132, Geometric Algorithms (Fall 2021, Spring 2022, Spring 2023)
- BU CS 480/680, Computer Graphics (Fall 2022, Fall 2023, Fall 2025)
- BU CS 582, Geometry Processing (Fall 2024)

Activities

MIT Summer Geometry Institute

2022

- Six-week paid research program introducing undergraduate and graduate students to the field of geometry processing. Collaborated on research projects led by faculty and research scientists.
- See [here](#) [✉](#) for program information, and [here](#) [✉](#) for a personal summary
- Summer 2022: Undergraduate fellow
- Summer 2023, 2024: Student volunteer
- Summer 2025: Graduate school applications Q&A panelist

Senior Capstone Project

2021 - 2022

- Engineered 6502-based breadboard computers for use in undergraduate systems education. Designed, fabricated, and documented hardware prototype.

Class Tutor, BU Madrid Science Program*2019*

- Paid tutor for Organic Chemistry I during semester abroad in Madrid. Organized and led review sessions prior to exams.

Technologies

Languages: C++, Python, C

Libraries/Programs: OpenGL, Eigen, libigl, Polyscope, Geometry Central, Qt, Adobe CC Suite

Honors

- Honorable Mention for Best Paper Award at SIGGRAPH 2025
- Departmental Teaching Award, AY 2022-2023
- BU Cardinal Medeiros Scholar: Full-tuition scholarship
- National Merit Scholar (Finalist)
- National Hispanic Scholar