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, 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)
- 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

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

- Departmental Teaching Award, AY 2022-2023
- BU Cardinal Medeiros Scholar: Full-tuition scholarship
- National Merit Scholar (Finalist)
- National Hispanic Scholar