

Ryan Keleti

Software Engineer



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Greater Boston Area

Education

Northeastern University — Boston, MA

September 2018—June 2022

College	Khoury College of Computer Sciences
Degree	Bachelor of Science in Computer Science and Math
GPA	3.7/4.0
Selection of courses	Compilers Algorithms & Data Theory of Computation Analysis (Real, Complex) Computer Graphics Database Design
	Programming Languages Object-Oriented Design Optimization and Complexity Discrete Geometry Mobile Application Development

Programming languages & Skills

Proficient	Java, Rust, Python, OCaml
Familiar	C, C++, Javascript/Typescript, Haskell, Bash
Other	Git, SQL, NoSQL, Linux, Docker, AWS, Spring (Boot), Jenkins

Experience

Vector Software www.vector.com — East Greenwich, RI

July 2021—December 2021

Research Engineer Intern

- Worked on VectorCAST, a C++ software analysis suite
- Added small features and fixed bugs throughout the codebase, including the parser and analysis libraries
- Started side project to parse and analyze gcc commands

SettleTop www.settletop.com — Cambridge, MA

July 2020—February 2021

Junior Software Engineer

- Major role in the design and implementation of a data collection and processing engine for codebases
- Collaborated in the planning of various aspects of the application infrastructure
- Built Java applications from scratch to connect to various code-scanning software and produce templated reports
- Worked on main application pipeline to orchestrate scanning tools, using Spring and Jenkins

Fractional Revival and Fractional Cospectrality Research fppf.site/files/reu.pdf — Boston, MA

June 2020

- Research project focused on quantum graphs in the context of quantum computing
- Investigated properties of quantum networks using spectral graph theory
- Helped prove results on fractional cospectrality for certain classes of graphs

Northeastern Resnet Resource Center & ITS its.northeastern.edu — Boston, MA

July 2018—June 2020

Software Technician and Software Developer

- Provided software and network support to students, faculty, and staff, e.g. malware remediation
- Helped lead development of a new backend for a project to record network information university-wide

Projects

Rite/Personal website

github.com/ryankeleti/rite

- Static site generator built in Rust, using HTML templates
- Contains a minimal blog management system for posts written in markdown

Graph Embedding

github.com/ryankeleti/graph-embed-rust

- A software implementation of multilevel graph embedding in Rust

EGA Translation Project

github.com/ryankeleti/ega

- French to English translation of *Éléments de géométrie algébrique*, typeset in \LaTeX
- Interface available at ega.fppf.site using Gerby, \LaTeX , and Flask