

Adam Godel

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EDUCATION

Boston University

September 2023 – Present

Bachelor of Arts in Mathematics & Computer Science

Minors in Core Curriculum with Honors & French Studies

- Current GPA: 4.0
- Selected Courses:
 - Elements of the Theory of Computation (Mark Bun & Alexander Poremba, Spring 2026)
 - Applied Abstract Algebra (Thomas Enkosky, Spring 2026)
 - Quantum Computing (Anushya Chandran, Fall 2025)
 - Distributed Systems (Vasiliki Kalavri & Anna Arpaci-Dusseau, Fall 2025)
 - Introduction to Stochastic Processes (Mickey Salins, Spring 2025)

RESEARCH POSITIONS

Researcher

December 2025 – Present

BU Complex Analytics & Scalable Processing (CASP) Systems Lab

- Working with Profs. John Liagouris, Vasiliki Kalavri, and Mayank Varia to investigate the implementation of a variety of efficient protocols under a secure multi-party computation (MPC) setting
- Writing a solo paper and contributed to two group papers creating different secure MPC protocols under one unified system

Quantum Solutions Launchpad Team Lead

April 2025 – Present

The Washington Institute for STEM, Entrepreneurship and Research & Naval Nuclear Laboratory

- Leading a team of three other fellows and four mentors, Vardaan Sahgal (WISER), Sarah Chehade (WISER), Brian McDermott (NNL), and Joan Arrow (NNL), working on a research project in the field of quantum benchmarking
- Writing a paper and producing an open-source library to be released with our work

PUBLICATIONS

- **Adam Godel**, Vasiliki Kalavri, Mayank Varia, and John Liagouris. *Closing the Data Alignment Gap in Secure Analytics with Private Edit Distance*. SOSP Student Research Competition (SRC), 2026. BU Undergraduate Research Opportunities Program (UROP), Summer 2026. **In progress**.
- Muhammad Faisal, Alessandra Lanz, Sam Buxbaum, **Adam Godel**, Vasiliki Kalavri, Mayank Varia, and John Liagouris. *CryptDough: A unified analytics engine for secure multiparty computation*. The 32nd Symposium on Operating Systems Principles (SOSP), 2026. **To appear**.

SELECTED PROJECTS

Massachusetts Workforce Data Report

May 2026

BU CS Department



- Wrote secure MPC scripts to privately perform analytics on employment data collected by the state of Massachusetts, contributing to a project of the state's Executive Office of Labor and Workforce Development

Glued Trees

March 2024 – August 2024

Classiq Technologies



- Worked with Classiq to create the first quantum implementation of the glued trees algorithm after winning the 2024 Quantum Research & Industry Skills Exchange with my prototype project, featuring the project in the Classiq library GitHub repository and Classiq's software development kit documentation

COURSE POSITIONS

Grader

Introduction to Analysis of Algorithms

January 2026 – May 2026

Grader

Discrete Mathematics

September 2025 – December 2025

Teaching Assistant

Introduction to Computer Science 2

September 2025 – December 2025

Course Assistant

Introduction to Computer Science 2

September 2024 – May 2025

OTHER POSITIONS

Vice President

BU Hack4Impact (Club)

December 2025 – Present



- Oversee weekly web development workshops and web projects for nonprofits developed by 3-4 teams each semester, in addition to managing the operation and logistics of the executive board

Founder

BU Quantum (Club)

September 2025 – Present



- Lead weekly workshops covering introductory and research topics in quantum computing, as well as sessions discussing recent publications in the field

Software Engineer

CyQuant (Startup)

May 2025 – July 2025



- Worked to create an algorithm that quantifies insurance questionnaires based on a set of cybersecurity standards as well as rebuilding the CyQuant website from scratch

OTHER PROJECTS

Finding (or not) Formulas for Polynomial Roots

Applied Abstract Algebra Final Project

April 2026



- Worked on a short writeup proving the existence of general formulas to find the roots of subquintic polynomials, as well as showing that quintic and higher degree polynomials are not generally solvable

Superquantum Challenge

iQuHACK 2026

February 2026



- Implemented various challenging Clifford + T unitary gate decompositions using mathematical reductions and brute-force optimizations

Investigating Quantum-Inspired Classical Algorithms

Quantum Computing Final Project

September 2025 – December 2025



- Participated in a project with a physics PhD student where we researched and debated if a quantum-inspired classical algorithm will solve an industrially relevant problem in the next decade

Mathematical Foundations of Quantum Mechanics

BU Math Department Directed Reading Program

January 2025 – May 2025



- Worked with a math PhD student to build up a physical intuition for mathematical concepts such as the Fourier transform through derivations of solutions for the Schrödinger equation and the uncertainty principle

Travelers-Capgemini Challenge

YQuantum 2025 (Presented to Travelers Executives)

April 2025



- Investigated the viability of a recursive search maximum independent set algorithm for graph coloring and its applicability to risk minimization in insurance, running an experiment using Los Angeles fire hazard zones

Alice & Bob Challenge

iQuHACK 2025 (Second Place)

February 2025



- Investigated the quantum physics of cat qubits, working on modeling Wigner plots of concepts such as Zeno gates, quantum decoherence, and parametric optimizations

QuEra Challenge

iQuHACK 2024 (Second Place)

February 2024



- Investigated the maximum independent set problem with vertices connecting edges up to three times the lattice constant in a square graph, running experiments on QuEra's 256-qubit quantum computer