# Samuel Krasnoff

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## Education:
**Boston University College of Engineering,** Kilachand Honors College
*Bachelor of Science in Computer Engineering*                                                                                         May 2022
**GPA: 3.46/4.00**

## Technical Skills:
C, C++, C#, Java, JavaScript, jQuery, Node.js, TypeScript, React, MATLAB, HTML, CSS/SCSS, SQL, Verilog, CLI and Unix, Python, Docker, .NET, OSI model, Kali Linux, nmap, Burp Suite

## Relevant Coursework:
Applied Algorithms, Smart & Connected Systems, Computer Networking, Cybersecurity, Network Security, Operating Systems, Computer Communication Networks, Machine Learning, Intro to Logic Design/Computer Organization (Verilog)

## Certifications:
*CompTIA Network+*            *CompTIA Security+*
Expires 8/2025                Expires 8/2025

## Related Experience:
**Columbia University – Lamont-Doherty Earth Observatory**                                             August 2022 – Present
*Software Engineer*
- Lead developer on cyberinfrastructure for volcanology research and modeling utilizing Jupyterhub framework.
- Designing workflows and scripts to boost ease of use in the scientific community at all levels.
- Contributing to research paper development, as well as assisting in creating research grant proposals.
- Building a benchmarking tool to apply statistical analysis to opposing lava flow simulations.

**eFuse, Inc**                                                                                                        August 2021 – January 2022
*Software Engineering Intern*
- Developed integration tests for an extensive back-end proprietary API in an Agile environment.
- Refreshed data models in TypeScript for more efficient and unified codebase.
- Hosted technical talks about new programming discoveries and participated in daily standups and weekly meetings with engineering team leads.
- Created thorough documentation and stacked pulls requests to maximize clarity and productivity within the CI/CD methodology.

**Boston University Mechanical Engineering Department**                                             January 2019 – May 2022
*Teaching Assistant*
- Leading core engineering class centered around MATLAB and C, while building best practices and work ethic.
- Proctoring and grading monthly exams, handling sensitive student information.
- Empowered students to achieve an average grade of B+/A- in the course by hosting open hours to discuss class content and providing aid in programming assignments.

**Weitz & Luxenberg P.C.**                                                                                            July 2019 – August 2019
*I.T. Intern*
- Created three web applications for an in-house management and permissions system, for use by entire IT department, allowing for more rapid and fluid access to and allocation of system authorization.
- Structured project with MVC architecture using primarily SQL and C# to update legacy Visual Basic software.
- Implemented JavaScript libraries including jQuery and AJAX to maximize responsiveness and user-friendly aspects of program.
- Collaborated with other developers on both test and production servers to streamline workflow.

**Boston University IT Help Center**                                                                            September 2020 – May 2021
*Support Specialist*
- Remotely assisted members of the Boston University community with technical service requests and incidents
- Closed 80% of tickets on first call without need for escalation.
- Praised for clear and concise instructions in resolving user issues.

## Leadership Experience:
**Engineering Ambassador**                                                                                    September 2019 – May 2022
- Introduced prospective students to university culture and engineering facilities.