

Rayan Bouhal

Phone: (815) 491-4068
Email: rayanbouhal@gmail.com

GitHub: <https://github.com/rbouhal>
LinkedIn: <https://www.linkedin.com/in/rayanbouhal/>

Undergraduate Student in Computer Science seeking to enhance and refine my software development, problem-solving, and communication skills through hands-on programming experience.

EDUCATION

VIRGINIA TECH

Bachelor of Engineering in Computer Science
Dean's List (GPA: 3.89/4.0)

Blacksburg, VA
Aug 2021-Dec 2024

SKILLS

Programming Java, Python, C, C++, C#, JavaScript, HTML, Flutter, TensorFlow
Databases MySQL, AWS, Oracle
Development Object-Oriented Design, Data Structures, Agile Development, Algorithms, API's
Soft Public Speaking, Collaboration, Communication, Adaptability, Growth Mindset

PROFESSIONAL EXPERIENCE

Tridium (Honeywell)

Software Engineering Internship

Richmond, VA
May 2023–August 2023

- Collaborated with a team of software engineers and utilized agile methodologies to streamline the development process of the Niagara framework.
- Conducted extensive testing and debugging of the Niagara framework, with a customer-centred focus, identifying and resolving 100+ software bugs to ensure optimal functionality for end-users.
- Attained certifications in both developer and user training for Niagara within the first month of the internship, demonstrating exceptional dedication and ability to quickly acquire new skills.

Center for the Enhancement of Engineering Diversity at Virginia Tech

Cyber Security Instructor

Blacksburg, VA
June 2022–August 2022

- Instructed cybersecurity principles and careers to summer classes of engineering students.
- Hosted, created, and participated in CTF events that test problem solving and communication skills.
- Met with CIA representatives to gain insight on how cybersecurity is used to gain foreign intelligence.
- Position sponsored by the CIA to promote cybersecurity interest and careers.

PROJECTS

-
- [Calculator](#) - calculates large numbers using Polish Notation and linked lists.
 - [MemManager](#) - connects a Memory Pool with Hash Tables for data storage and retrieval.
 - [ExternalSort](#) - implements an external sorting algorithm for binary data.
 - [DNATree](#) - Binary Tree stores and searches DNA sequences with multi-branched internal nodes.
 - [LearnToRecycle](#) - game to teach recycling and learn the basics of HTML, Pygame, and Django.
 - [BFSVisualizer](#) - A Visualizer for the Breadth-first search algorithm.

INVOLVEMENT

Community Enhancement of Engineering Diversity, MENA Student Association
Clubs Data Structures and Algorithms, Linux and Unix Users Group, Amazon Web Services
Events VT Hacks, CS|Source, Habitat for Humanity Charitable Housing Fundraiser