

# RYAN PETRAT

19 Pondview, Saint James, New York 11780

Mobile: (631) 356-2547

Email: rpetrat@gmail.com

Linkedin: [www.linkedin.com/in/rpetrat](https://www.linkedin.com/in/rpetrat)

## Boston University Class of 2025

### SUMMARY SECTION

As a fresh new mind eager to apply my abilities, I am eager for exciting and challenging opportunities to learn and grow personally and professionally. Where I currently lack in professional experience, I possess and have honed educational knowledge in required, practical and advanced skills to excel and succeed working as an individual contributor or with others in a workplace team environment. However, In my brief time working as a developer I gained a tremendous amount of knowledge and hope to gain even more in the future even acting as a possible mentor for my peers. The engineering skills I possess are flexible, agile, and effective to be a reliable contributor to a team looking for knowledge and practical experience in effective engineering and testing abilities, proven problem-solving skills conscientious about deploying error free solutions quickly with a keen ability to find and fix bugs when they occur. I'm told I am an enthusiastic person who listens well and considers all sides of an issue to build a consensus to achieve both short- and long-term objectives. All while being a happy and positive person with a relaxed demeanor and a strong willingness to help everyone whenever they ask or seem in need of assistance.

### EDUCATION

<b>Boston University</b> <b>Boston, MA</b> <b>GPA 3.0</b>	Scholar	Continually earned quarterly designation for consistently high grades and good conduct in the study of Computer Science	2021-2025
<b>Boston University</b> <b>Cyber Security Certification</b>	Comp Sci Specialist	Professional Cyber-Security certified distinction in ethical hacking while studying cyber security classes in school	2020-2021
<b>Stanford University</b>	Accelerated Student	Summer 2020 semester enrollee, earned 3 course credits taking physics class: Physics 16 Origins of the Cosmos	2020
<b>Stony Brook University</b>	Accelerated Student	Completed two dual-enrollment classes; French 3 and French 4	2018-2020
<b>AP Scholar with Distinction</b>	Awardee	Advanced Placement (AP) Scholar with Distinction: completed 10 university level classes with average scores in the top 10 percentile on all associated exams	2017-2021
<b>Smithtown High School East</b> <b>Smithtown, NY</b> <b>GPA 4.0</b>	Scholar	Received an advanced regents diploma with honors in science and math. Achieved status on the Dean's list each quarter for four years and recognition on the National Honor society as well as the school's chapter of the Math and French Honor societies	2017-2021

### UNIVERSITY CLUBS & ORGANIZATIONS

<b>Boston University</b> <b>Robotics, Team 246</b>	Programmer	Aided in design and software development for Team 246 a FIRST-affiliated robotics team founded in 1999, which participates in the FIRST Robotics and Vex Robotics competitions	2021-2023
<b>Boston University</b> <b>Data Engineering Club</b>	Member	Attended meetings while engaging in data engineering and more broad data science topics in teams collaborating different techniques for approaching and visualizing data	2021-2023
<b>Boston University</b> <b>Student Government</b>	Member	Engaged in student voting as part of the general student assembly as well as assisting during other related outreach and engagement events	2023
<b>Boston University</b> <b>Computer Science Club</b>	Member	Worked on general-purpose programming with Python, Web Development, Mobile App Development, and Machine Learning as well as work on real-world projects for local organizations	2021-2023

### PROFESSIONAL EXPERIENCE

Organization	Position	Description	Year(s)
<b>Posillico Civil Inc.</b> <b>Farmingdale, NY</b>	Jr. DevOps Engineer	Worked as a part of the DevOps Engineering team, where I was able to self-teach myself as well as learn from my superiors how many the processes of running a full stack environment are taken care of as well as the upkeep of an on-prem intranet which I aided in the process of migration to the AWS Cloud. Additionally, I gained knowledge on networks, servers, databases, deploying VMs, and providing a consistent internet connection to both the main office building or remote job sites. Also, developed a mass SMS texting application and interface using an API which saves the company \$25,000 annually	2023-2023

<b>BU Student-Employee Boston, MA</b>	On-Call IT Help	Worked to provide technical support, troubleshooting assistance, and guidance to end-users while gaining hands-on experience in various IT-related tasks. While possessing strong problem-solving skills and an eagerness to assist fellow students, faculty, and staff with their IT needs. Such as Hardware/Software Setup, Password Resets, Record Keeping, Training and Education, and Hardware Inventory.	2023-Present
<b>Duck Donuts Hauppauge, NY</b>	Shift-Manager	Worked in a fast paced customer facing service environment; from my effectiveness in doing this I was promoted to manage 3 to 4 employees, perform my own tasks and train new employees as well as being expected to identify and address any inefficient parts of our work system	2018-2021

#### SERVICE ACTIVITIES

Organization	Position	Description	Year(s)
<b>SCHOOL-BASED SERVICE</b>			
<b>Boston University Data Engineering Club</b>	Member	Attend fundraisers and recruitment events for the club while engaging with the local community and university students	2022-Present
<b>Boston University Student Government</b>	Member	Assist during fundraising events and general student outreach events to boost student engagement and awareness	2022-Present
<b>Boston University FYSOP</b>	Student	Engaged in various community outreach and community service activities to aid those in need located in the greater Boston area as well as being a medium to network and build relationships among newly admitted BU students	2021

#### COMPUTER SCIENCE

Organization/Project	Position	Description	Year(s)
<b>BostonHacks 2022</b>	Student	Weekend long overnight event where programmers gather to learn, network, share knowledge, and hack together to create creative and useful projects. My team placed second out of over 100 teams.	2022
<b>Proficient Computer Languages</b>	Cloud/ Software Engineer	Python, Java, JavaScript, C/C++, Assembly, Bash (UNIX Shell), Emacs Lisp (Elipse), GNU Guile (Linux), CoffeeScript, MATLAB, Swift, Q#, HTML	2017-Present
<b>AWS Certified Cloud Practitioner</b>	AWS Certification	While attending classes at university engaged with the AWS cloud platform, and working to pass the associated certification examination with hopes to also pass the Soultions architect Exam in the near future	2021
<b>Spark IT Conference</b>	School Representative	One of 12 high school students selected to attend IT Management and Skills conference at Northwell Health IT Center	2020
<b>Building Personal Computer</b>	Computer Engineering	Self-taught how to build a computer; sourced individual components, verified compatibility, assembled, verified wattage draw & overclocked components, then assembled bios, OS, and various drivers for optimal software performance. Rebuilt with new CPU, Motheboard, RAM, and M.2 SSD cooler in 2023	2017/2023

#### PERSONAL PURSUITS

Activity	Position	Description	Year(s)
<b>EBook Publication</b>	Writer	As part of my first-year writing class at BU I was encouraged to publish a nonfiction short-story I had written, it is currently available on Amazon's Bookstore	2021
<b>Sociology Journal Publication</b>	Writer	As part of the Advanced Placement (AP) Capstone/Research program I submitted two written thesis papers on the topics of " <i>The correlation between areas of greater socioeconomic status and educational funding persisting systemic racial inequality in America</i> " and " <i>The inequality in the distribution of the COVID-19 vaccine across the US</i> "; both were selected for publication	2019-2020
<b>USA Hockey - LIAHL Long Island Royals</b>	Goalie	AAA Tier I Travel hockey team competing against high level travel & boarding school teams across US Northeast region; nationally ranked among the top goaltenders of the 2003 birth year in the US	2018
<b>NY State Public High School Section XI Varsity Boys Tennis</b>	Player Singles/Doubles	Competed on my High School's Varsity tennis team which matched against other NY/LI area teams. Played both singles and doubles for my 3 years on the team and was consistently a top 3 player on our squad as well as being a great role model for the other players both on and off the court	2017 - 2019

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*Thank you for your consideration - Ryan Petrat*