

Nicolas Proskauer Valerio

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Availability: Starts January 2025

EDUCATION

Northeastern University, Boston MA

September 2021-Present

Khoury College of Computer Sciences

Expected Graduation: May 2025

Candidate for Bachelor of Science degree in Computer Science, Software concentration, minor in Game Design

GPA: 3.78/4.00, Dean's List all semesters, National Recognition Scholarship.

Relevant Coursework: Software Engineering, Algorithms and Data, Web Development, Object-Oriented Design, Networks and Distributed Systems, Computer Systems, Programming in C++, Logic, Theory of Computation, Foundations of Cybersecurity, Programming Languages, Foundations of Game Design, Game Programming.

Involvement: Varsity Esports (Rocket League Captain), Student Athlete Advisory Committee, Puerto Rican Student Association.

Ramey Unit School, Aguadilla PR

August 2017-June 2021

Involvement: Varsity in four sports; Math Club Captain; Superintendent Student Advisory Council, National Honor Society.

TECHNICAL KNOWLEDGE

Languages: JavaScript/TypeScript, Java, Python, C++, C, C#, HTML, CSS, Groovy, SQL, Assembly, SML, Prolog.

Libraries: Bootstrap, jQuery, React, Redux, Java Swing, Next.js, Tailwind, Mongoose, Node.js, Phaser3, Express, Socket.io, p5.js.

Environments: IntelliJ IDEA, PyCharm, Vim, CLion, Eclipse IDE, VSCode, Visual Studio, Oracle SQL Developer.

Applications: Unity, PuTTY, Git/GitHub, VMWare, MS Office, MongoDB, Salesforce, JMeter, Postman, Jira.

WORK EXPERIENCE

Northeastern University IT Services, Boston MA

July 2024-present

Quality Assurance Co-op

- Automated functional, load, and stress testing of APIs using JMeter, executing JDBC requests and utilizing Groovy scripting.
- Developed and implemented test cases to validate acceptance criteria for Salesforce workflows and flows.
- Validated data transfer between databases like Banner and Snowflake and applications such as Salesforce and OutSystems.

Evertec, San Juan PR

June 2024-July 2024

Products & Innovation Intern

- Conducted audit and fact-finding on RiskCenter 360 cost structure.
- Collaborated with multiple departments across several Latin American locations.
- Constructed a P&L analysis for RiskCenter 360 product in Microsoft Excel and briefed management team on findings.

Art of Problem Solving, Remote

August 2021-September 2023

Teaching Assistant and Grader

- Answered students' questions and clarified confusion in a text-based class, graded writing problems.
- Communicated with the instructor and occasionally another assistant to stay on top of classes of 40+ students.

PROJECTS

CoveyArcade

April 2024

- Extended Covey.Town with an arcade area featuring real-time Pong and Target Shooting, using WebSockets to communicate between the user and server, rewarding winning players with tickets redeemable for cosmetics in the virtual ticket booth.

Sportlight Website

December 2023

- Created a sport highlight website with user management functionality using Next.js, Bootstrap, Mongoose, and RESTful APIs.

Lyft Back-End Engineering Job Simulation on Forage

September 2023

- Designed an improved structure for an existing system and refactored the system in Python. Used TDD to add new components.

Court Scheduling System

April 2023

- Coded a scheduling system in C++ with different types of users with specific privileges and types of time slots using SOLID design principles, employing JSON serialization to save user logons and state of schedule.

Image Processing Software with GUI

June 2022

- Coded an image processor in Java that could retrieve image files, perform a variety of operations on them, and save them.
- Employed Model-View-Controller Architecture, created the GUI using the Java Swing Library.

SKILLS, INTERESTS, AND AWARDS

Skills: Bilingual in English and Spanish, strong leadership and communication skills.

Interests: Rocket League, sports, weightlifting, going to the beach, listening to new music.

Awards: Presidential Scholar in Career and Technical Education; High School Valedictorian; National Merit Scholarship; Honorable Mention, IberoAmerican Math Olympiad in Guanajuato, MX; Silver Medalist, Central American Math Olympiad in Havana Cuba; MathCounts 3-time National Competitor.