

# RICCARDO PROSDOCIMI

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## EDUCATION

**Northeastern University**, Boston, MA

September 2021 – May 2024

*Master of Science in Computer Science; GPA: 4.00 / 4.00*

*Activities:* NEU Blockchain Club, Sharpe (Graduate Fintech Initiative), Hack Boston, SNI Hackathon.

*Relevant Coursework:* Building Scalable Distributed Systems, Computer Networking, Web Development, Machine Learning, Database Management Systems, Object-Oriented Design, Algorithms, Computer Graphics.

**Minnesota State University - Mankato (AACSB Accredited)**, Mankato, MN

January 2015 – May 2019

*Bachelor of Science in Marketing and Certificate in Business Analytics; GPA: 3.99 / 4.00*

*Dual Minors: Entrepreneurship and Innovation, Business Administration*

## TECHNICAL KNOWLEDGE

**Languages:** Java, Python, JavaScript/TypeScript, SQL, C/C++, HTML, CSS, Bash.

**Tools & Frameworks:** RESTful APIs, Java Spring Boot, Docker/Kubernetes, Node.js, React.js, Numpy, Pandas, Git.

**Databases:** MySQL (SQL), MongoDB (NoSQL).

## PROFESSIONAL EXPERIENCE

**Northeastern University - Department of Biology**, Boston, MA

January 2023 – February 2024

*Technology Consultant*

- Increased department efficiency and productivity by 80% through streamlining and expediting form submissions process using Smartsheet.
- Built a dashboard visualizing form submissions data to provide business intelligence to help in decision-making.

**Kato Engineering**, North Mankato, MN

January 2018 – May 2018

*Marketing Consultant*

- Led a team of 4 to perform a nationwide market research project to provide the parts and service division with crucial insights on the number of service centers selling company's spare parts.
- Collected the data using a Qualtrics survey, analyzed it in Excel, and presented it in PowerPoint to the executives.

## CERTIFICATIONS

**Hewlett Packard Enterprise Software Engineering Job Simulation on Forage** [\[link\]](#)

January 2024

- Wrote a proposal for a RESTful web service to manage a list of employees.
- Built a web server application in Java Spring Boot that can accept and respond to HTTP requests as well as support uploading JSON data.
- Developed and ran a set of unit tests to assess my Java Spring Boot application's performance.

**Lyft Back-End Engineering Job Simulation on Forage** [\[link\]](#)

December 2023

- Took over development of an unfinished project for the Lyft Rentals team.
- Drafted a UML class diagram representing a new reorganized architecture.
- Refactored a messy codebase inherited from another team to accurately reflect my new design.
- Implemented unit tests and added new functionality using test-driven development.

## RELEVANT PROJECTS [\[many more\]](#)

**Roll Your Own CDN** [\[link\]](#)

November 2022 – December 2022

- Created the building blocks of a CDN in Python using a DNS, an origin, and 7 HTTP/replica servers worldwide.
- Implemented a DNS redirection to send clients to the replica with the fastest response time.
- Designed a system to determine the best replica with info on network performance, load, and cached data.
- Deployed a GeoIP database for passive measurements and scamper for active ones.

**CoinChat** [\[link\]](#)

September 2022 – December 2022

- Developed a full-stack social networking web application, integrating login functionalities and **RESTful APIs**.
- Designed features enabling users to manage cryptocurrencies in a watchlist, follow other users, and compose blogs.
- Utilized React.js for the user interface, Node.js for server-side development, and MongoDB for database integration.