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, Web Development, Machine Learning, Computer Networking, 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**

TECHNICAL KNOWLEDGE

Languages: Python, Java, JavaScript/TypeScript, C/C++, SQL, HTML/CSS, Bash.
Tools & Frameworks: RESTful APIs, NodeJS, ReactJS, Linux/Unix, Docker/Kubernetes, PyTorch/TensorFlow, Git.
Databases: MySQL (SQL), MongoDB (NoSQL).

PROFESSIONAL EXPERIENCE

Northeastern University - Department of Biology, Boston, MA — January 2023 – February 2024
Technology Consultant

- Created a comprehensive dashboard for visualizing form submission data, offering actionable insights and supporting data-driven decision-making within the department.
- Enhanced department efficiency and productivity by 80% by optimizing the form submission process with Smartsheet, incorporating streamlined workflows and automations for improved operations.
- Developed and integrated automation workflows for initial data entry and confirmation notifications, facilitating seamless data management and communication processes.
- Engineered user-centric forms, focusing on intuitive design and logic to elevate the user experience in academic settings, supporting the department's digital transformation.

RELEVANT PROJECTS [many more]

Citi ICG Technology Software Development Job Simulation on Forage [link] — February 2024

- Involved hypothetical tasks to improve Citi's loan management system and stock market risk reporting.
- Researched potential machine learning systems to assess credit risk and provided recommendations for next steps.
- Used Java to build an internal tool visualizing stock market risk in real time.

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.

NBA Database [link] — March 2023 – April 2023

- Engineered a MySQL database to store NBA data fetched from an API, optimizing the schema for efficient querying.
- Developed a Python console app to extract and present insightful statistics, leveraging modular design for scalability.
- Implemented advanced SQL procedures and utilized Pandas/Matplotlib to create graphs/charts for data visualization.

CoinChat [link] — September 2022 – December 2022

- Developed a full-stack social networking web app, implementing login functionalities and RESTful API endpoints.
- Collaborated within an Agile framework as a member of a Scrum team following bi-weekly sprints.
- Utilized React.js for the user interface, Node.js for server-side development, and MongoDB for database integration.