RICCARDO PROSDOCIMI

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Available: August 2023 – December 2023 or January 2024 – June 2024

EDUCATION

Northeastern University - Boston Campus, Boston, MA   September 2021 – August 2024
MS in Computer Science Candidate   GPA: 4.00 / 4.00
Relevant Coursework: Data Structures, Algorithms, and Their Applications within Computer Systems, Object-Oriented Design, Fundamentals of Computer Networking, Database Management Systems, Web Development, Discrete Structures.

Minnesota State University - Mankato (AACSB Accredited), Mankato, MN   January 2015 – May 2019
BS in Marketing, Certificate in Business Analytics, Minors in Entrepreneurship and Business Administration   GPA: 3.99 / 4.00

TECHNICAL KNOWLEDGE

Languages:	Python, Java, SQL, JavaScript, HTML, CSS, C, Bash, LaTeX.
Tools & Frameworks:	Git, GitHub, Node.js, React.js, jQuery, REST APIs, Wireshark, Qualtrics, Smartsheet, Tableau, SPSS.
Databases:	MySQL, MongoDB.

EXPERIENCE

Northeastern University - Department of Biology, Boston, MA   January 2023 – Present
Technology Consultant
- Introduce Smartsheet to streamline and speed up processes involving form submissions; previously conducted via numerous back-and-forth emails due to a lack of clear guidelines on documents needed to fulfill requests.
- Improve business intelligence by utilizing Smartsheet's built-in functionalities and dashboard to track the time requests take from creation to fulfillment.

Kato Engineering, North Mankato, MN   January 2018 – May 2018
Marketing Consultant
- Performed market research leading a team of 4 to estimate the U.S. market for parts and service and identified the location of service centers through a nationwide survey using Qualtrics.
- Mailed 1304 surveys, cover letters, and return envelopes | 110 responses | 8% response rate.

PROJECTS

NBA Database (with PyMySQL and Pandas/Matplotlib), *Northeastern University*   March 2023 – April 2023
- Built a database in MySQL populating it with data about the National Basketball Association from an API.
- Created a simple console application with PyMySQL to show insightful statistics and graphs using fairly complex SELECT statements and the Pandas/Matplotlib libraries.
- Expanded database's functionalities to support multiple users with different access privileges and password hashing.

Roll Your Own CDN (with GeoIP database and scamper), *Northeastern University*   November 2022 – December 2022
- Created building blocks of a Content Delivery Network in Python using a DNS server, an origin server, and 7 HTTP/replica servers located worldwide.
- Implemented a DNS redirection to send clients to replica server with fastest response time and wrote a simple Web server returning content requested by clients.
- Designed a system leveraging info about network performance, load on servers, and cached data at servers to determine best replica server; first, deploying a GeoIP database for passive measurements, then switching to scamper for active ones.

Shapes Photo Album (with Java Swing GUI), *Northeastern University*   March 2022 – May 2022
- Built an application in Java with multiple classes and packages to design a simple photo album from shapes following the Model-View-Controller architecture.
- Programmed it to support description of data to visualize in a .txt format; had application render descriptive text in an interactive graphical view (using Swing) and a static web view (using HTML markup and SVG).
- Conducted JUnit tests for each class and method as well as improved overall structure and hierarchy of classes, with an emphasis on readability and flexibility of code.

ADDITIONAL SKILLS

People skills:	Communication, Leadership, Teamwork (refer to my LinkedIn for experiences demonstrating these).
Spoken languages:	English (fluent), Italian (native).