

Valentina Haddad

EDUCATION

(508) 562-0829 | vhaddad@bu.edu | [LinkedIn](#) | [Portfolio](#)

Boston University — B.A. Computer Science, B.A English

Relevant Coursework: Combinatorial Structures, Geometric Algorithms, Computer Systems, Probability in Computing, Introduction to Algorithms, Introduction to Databases, Theory of Computation, Software Engineering, Distributed Systems, Introduction to Machine Learning and AI.

Boston, MA

May 2025

WORK EXPERIENCE

United States Department of The Treasury

Remote

Cybersecurity and Communications

June 2024 – January 2025

- Designed and delivered an AI training program for federal agents, enhancing decision-making and operational efficiency in cybersecurity operations.
- Designed and implemented two Microsoft Power Automate workflows, significantly enhancing offboarding efficiency and optimizing multi-tier travel approval processes for senior leadership.
- Authored a 50-page Project Fortress report analyzing cybersecurity policies across 10 nations, securing State Department funding to enhance U.S. cyber resilience.
- Created a technical threat assessment on cyber adversaries targeting financial institutions, analyzing tactics, techniques, and procedures (TTPs) to strengthen cybersecurity defenses.

Library of Congress

Remote

AI Community Analyst

January 2024 – May 2024

- Founded and chartered an AI Community of Practice for the 5,400 Library of Congress members, fostering collaboration and knowledge sharing on AI applications within the institution.
- Developed a Figma prototype showcasing AI integrations for the Library of Congress website, enhancing user experience and automating research processes.
- Conducted AI research and trend analysis, providing insights that informed strategic decisions and future technology investments.
- Collaborated with cross-functional teams to align AI initiatives with the Library's long-term digital strategy, ensuring scalability and sustainability.

TCube Inc.

Remote

UI/UX Design Intern

January 2024 – May 2024

- Developed four interactive prototypes using Uizard and Figma, showcasing AI-driven solutions to enhance user experience and business functionality.
- Redesigned user interface workflows to enhance system navigation and streamline user interactions, improving overall accessibility and efficiency across platforms.
- Built data-driven analytics dashboards with Python and Power BI, enabling real-time insights and informed decision-making.

Sargent College

Boston, MA

Media Technician

May 2022 – September 2024

- Developed expertise in software and hardware, troubleshooting operating system issues and optimizing computer system performance.
- Managed technology supplies and inventory, ensuring efficient resource allocation and minimizing downtime.
- Provided technical support and training, resolving issues and enhancing user experience across various platforms.

PROJECTS AND RESEARCH

Break Through Tech AI | MIT x Cadence Design Systems

Boston, MA

Project Coder

September 2023 – January 2024

- Earned a 97% in Machine Learning, receiving a Cornell University certificate for excellence in AI coursework.
- Served as a Prompt Engineer, integrating Chat API to refine AI-driven data processing, improving workflow efficiency by 30%.
- Developed and deployed machine learning models to analyze 100,000+ PCB data points, enhancing predictive accuracy by 25% for design and manufacturing.
- Collaborated with a multidisciplinary team of engineers and data scientists, applying AI solutions to optimize Printed Circuit Board (PCB) diagnostics.

Data Days for Good | MassMutual x BU SPARK

Boston, MA

Promt Engineer/project coder

March 2024 – March 2024

- Developed a Generative AI-powered data retrieval pipeline, achieving 98% accuracy in detecting racial covenants in 150 historical property deeds.
- Streamlined deed record analysis, reducing manual search time and improving detection efficiency.
- Cataloged deeds to trace racial restrictions, contributing to data security and historical record management.
- Compiled findings into a detailed report, influencing BU SPARK to continue and expand the project based on key discoveries.

TECHNICAL & NON-TECHNICAL SKILLS

Languages: English (Fluent), Arabic (Fluent), Spanish (Proficient)

Software: Microsoft Word, Excel, PowerPoint, SharePoint, Confluence, Figma, VSCode, Spyder, Eclipse, LaTeX, Unity, Blender

Programming: Python, Java, JavaScript, TypeScript, React, Assembly, C, C++, HTML

IT Support: IT assistance, system performance management, user training, troubleshooting, network setup, hardware maintenance

Writing & Editing: Technical writing and documentation, creative content writing, proofreading and editing, research papers and reports, government technical speech and report writing, meeting minutes, citation and bibliography management (Zotero)

Certificates: Machine Learning (Cornell), Research (U2PhD Computing Association), InProgress: Data Science (Columbia University), Game Design (MITxPro)