Riki A. Hernandez

New York, NY

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Technical Skills

Programming languages: Python, C, C++, JavaScript, and SQL. Frameworks and tools include React, AngularJS, MySQL, and LaTeX. Experience includes data pipelines, behavioral analytics, metrics analysis, and operational reporting. Design tools: Adobe Illustrator, InDesign, and Photoshop.

Experience

Color Reference Code Technologies, Inc.   2023 – 2025 *Data Analyst / Software Engineer*

Developed secure digital identification infrastructure leveraging Color Reference Code technology to enable offline-capable identity registration and verification. Designed, managed, and analyzed enrollment metrics and operational performance data to evaluate system reliability, scalability, and real-world deployment outcomes. Presented technical test cases and pilot results at the Infopoverty World Conference, a flagship initiative of OCCAM, demonstrating system interoperability with United Nations frameworks and alignment with international digital identity standards.

MIT Media Lab   2019 – 2023 *Software Engineer / Data Analyst*

Worked full-time at a startup hosted by the MIT Media Lab under the supervision of Todd Reid, designing and implementing methods to extract behavioral and lifestyle markers from digitally available user data. Developed data pipelines and analytical frameworks to infer habit patterns, engagement signals, and longitudinal behavior trends, enabling the generation of digital biomarkers used to personalize intervention strategies within a health technology application.

Contributed to the development of a minimally viable product featuring a recursive reward system, user-generated content, and a digital reward redemption platform. Supported partnerships with local businesses in the Cambridge area and assisted with drafting B2B proposals and partnership agreements. Following the acquisition of the company, contributed to the early development of Leap 1000, an educational platform adapting the same incentive framework for use in elementary schools and community organizations.

Karen Burke Research Foundation   2024 – Present *Research Assistant*

Conduct data collection and statistical analysis using SAS in support of dermatological and clinical research. Contribute to research publications, manage structured research databases, and assist with data validation and reporting workflows.

Diplomatic and Society Review   2023 *Consultant / Translator*

Liaised with business clients from Japan, providing professional translation services and drafting contracts and agreements. Provided consultation to technology clients navigating legal and technical processes for entering the United States market.

Education

Stony Brook University

Bachelor of Science in Applied Mathematics and Statistics

Bachelor of Science in Mathematics

Languages

English (Professional) Japanese (Professional) Spanish (Conversational)