

JULIAN T COLEMAN

Full-Stack Engineer

WORK EXPERIENCE

Full-Stack Engineer at Resilient Coders, Boston, MA

September 2024 — Present

- Designed and deployed an API for accessing statistics, enabling real-time data retrieval and enriching applications with up-to-date stats.
- Developed an interactive card memory game using HTML, CSS, and JavaScript, increasing session engagement.
- Built a custom API integration to access NASA base location and weather data by combining data from two sources, improving data retrieval efficiency by 20%.
- Engineered both simple and complex APIs using Express and Node.js to support dynamic data requirements, enhancing data throughput and reliability for various applications.
- Developed full-stack applications by implementing back-end services with Node.js and MongoDB, coupled with responsive front-end designs, achieving a user experience and reducing load times by 30%.
- Conducted code reviews and enforced best practices, reducing redundancies and improving project turnaround by 20%, which optimized team workflows and code quality.

Software Engineer Freelancer, Boston, MA

January 2023 — Present

- **Defensive Impact Rating (TDIR)** - Developed the TDIR metric using Python for advanced visualizations and Random Forest for predictive modeling, improving defensive assessment at the catcher position. Presented at the 2023 [Sabeseminar](#), this metric aimed to allow teams to make data-driven on-field strategy decisions regarding player development.
- **Stolen Base Probability Tool** - In collaboration with the Minnesota Twins' R&D Department, I used Python and Random Forest modeling to create a predictive tool that identifies optimal stolen base opportunities. This tool led to a 15% increase in successful steals during practice simulations, enhancing coaching staff decision-making and base-running efficiency in-game scenarios.
- **Outlier Home Runs Metric** - Led an independent project to develop a metric for identifying MLB ballparks most conducive to short home runs, utilizing Python for data analysis and Tableau for visualization. This metric provided teams with strategic insights, enabling adjustments in hitting and pitching approaches to account for ballpark-specific characteristics.

Data Analyst Contractor, Boston, MA

July 2021 — September 2024

- **Maintained Records:** Accurately tracked and logged all incoming and outgoing mail and packages, reducing processing errors by 15% for Plymouth Rock Assurance
- **Collaborated with team members** to optimize mailroom operations, utilizing Excel's capabilities for data analysis and workflow management for Commonwealth Care Alliance
- **Entered financial and other information** from charity filings into the AGO database (Damion & FISERV) and made sure they met data protection regulations for the Office of Attorney General Andrea Joy Campbell

CONTACTS

Juliantcoleman1@gmail.com

[LinkedIn](#)

[Portfolio](#)

[GitHub](#)

SKILLS

HTML 5

CSS

JavaScript

React

React Native

Node

MongoDB

PostgreSQL

Python

Web Accessibility

Advanced Excel Skills

Public Speaking

EDUCATION

University Of Southern California

Major: Political Science

2012 – 2014

PCEP Certified Entry-Level

Python Programmer

2024

