

# Patrick Mancuso

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## EXECUTIVE SUMMARY

Analytical and detail-oriented student pursuing a B.S. in Information Science at CU Boulder. Experienced in building data dashboards, leveraging AI tools, and delivering actionable insights using Python, HTML/CSS, and SQL. Passionate about turning data into decisions and building tools that make information accessible.

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## EDUCATION

### Bachelor of Science in Information Science

University of Colorado Boulder

Relevant Coursework: AI Development, Data Analysis, Information Visualization, Web Design, Statistical Engineering

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## DATA PROJECTS

### Customer Insights Dashboard

CU Boulder – Information Visualization Lab

- Built an interactive dashboard with Python and Tableau, analyzing 5,000+ customer-made reviews
- Enabled stakeholders to identify service pain points through clear, visual storytelling

### Data-Based Website Development - Independent

- Developed a web platform for cataloging physical music collections, supporting 100+ users
- Utilized AI and Machine Learning tools for a higher depth of algorithmic understanding
- Integrated Last.FM API to deliver personalized recommendations and detailed analytics for CDs, vinyl, cassettes, and more

### Spotify Algorithmic Bias - Independent

- Pulled data from the Spotify API to examine potential algorithmic bias in song recommendations across genres and artists
  - Used Python and Pandas to analyze over 10,000 tracks, revealing measurable disparities in exposure between mainstream and niche artists
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## WORK EXPERIENCE

### Head of Data Analytics and Assistant Game Developer

Considera Games - Considera Core

- Led the analytics team, which studied user feedback and helped to propel that into reasonable change
- Headed the visual effects department and overlooked game design tests. Utilized Unity Game Engine
- Managed audio production and music integration into various video game projects with Ableton and Audacity

### Marketing Management and Web Progression

Solaroid Studios - S.Studio

- Assisted in merging mobile app into a fully fledged web application format. Employed HTML, CSS, JS, and SQL
  - Expanded Marketing through social media management and online cultivation in advertisement designs.
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## SKILLS

Technical: ML/AI, Python, SQL, Excel, HTML/CSS, GitHub, NumPy, Adobe Suite, Ableton

Analytical: Data Cleaning, EDA, Data Visualization, Forecasting, Statistical Analysis, UI/UX

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## COMMUNITY INVOLVEMENT

Volunteer | CU Boulder Radio 1190 DJ

Volunteer | CU Boulder Community Tech Nights

Volunteer | Ronald McDonald House Denver