Edward Hinson

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SUMMARY

Technically minded software developer with experience building Python and Java systems, data pipelines, and automation tools that integrate complex inputs into reliable, high-performance outcomes. Former audio engineer and record producer with over six years leading multidisciplinary teams in fast-paced, precision-driven environments, experience that fostered a systems-oriented mindset, strong debugging instincts, and meticulous attention to detail.

EDUCATION

Columbia University, School of General Studies, New York, NY November 2025
Bachelor of Arts in Computer Science *GPA: 3.86*
Relevant Coursework: Data Structures in Java, Discrete Mathematics, Advanced Programming, Introduction to Databases, Fundamentals of Computer Systems, Computer Science Theory, Artificial Intelligence, UI Design
Honors: GS Honor Society

Berklee College of Music, Boston, MA May 2017
Bachelor of Professional Studies in Music Production

SKILLS

Coding Languages: Java, Python, JavaScript, HTML, CSS, C, SQL
Technologies: Flask, Bootstrap, Pandas, Seaborn, Matplotlib, Git, GitHub, Visual Studio, Cursor, SQLAlchemy, SQLite

CERTIFICATIONS

AWS Certified Cloud Practitioner October 2025
Amazon Web Services

PROJECTS

Headline Scraper and Sentiment Analyzer September 2025
Independent Project

- Built a Python pipeline to scrape live headlines from CNN using BeautifulSoup and Requests
- Applied natural language processing (NLP) with NLTK and TextBlob to clean text, extract keywords, and analyze sentiment (polarity & subjectivity).
- Designed data visualizations with Matplotlib/Seaborn to display word frequencies and sentiment trends, and automated output reports in Excel/CSV with timestamped charts.

NYC-311 Data Analysis August 2025
Independent Project

- Developed an interactive Python tool to explore over one million NYC 311 service request records via the Socrata Open Data API.
- Implemented user-selectable borough and year range inputs, automated data retrieval, cleaning, and visualization with Pandas, Matplotlib, and Seaborn.
- Engineered a reporting system that outputs timestamped folders containing visualizations and cleaned CSV.

ChessNotation April 2025
University Project

- Collaborated in a four-person team to design and build an interactive web app using Flask, Jinja, JavaScript, and jQuery that teaches algebraic chess notation through guided lessons and quizzes.
- Built a modular backend that served lesson data from JSON files, managed user progress, and logged activity in real time for learning analytics.
- Worked jointly on front-end design with Bootstrap and Chessboard.js, creating a responsive, gamified learning interface that helps users master notation concepts in under 10 minutes.