

Zen Edwards

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TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL, HTML, JavaScript, TypeScript, CSS, Swift, C++, R
- **Libraries/Frameworks:** Pandas, Scikit-learn, NumPY, Node.js, React, PyTorch, TensorFlow
- **Developer Tools:** Visual Studio, Linux, Unix, Eclipse, Tableau, Google Cloud, PyCharm, Jupyter Notebook, AWS, MySQL
- **Productivity Tools:** Powerpoint, Canva Pro, Adobe Creative Cloud, Trello, GitHub, Microsoft/Google Office
- **Machine Learning & AI:** Deep Learning, Statistical Modeling, Large Language Models, Distributed Systems, Optimization, Concurrent Programming

PROFESSIONAL EXPERIENCE

Accenture

Aug '24 - Present

Intern | Boston, MA

- Composed 10+ insightful visualizations using **Matplotlib**, **Seaborn**, and **Plotly** to **support decision-making** and align data narratives with organizational goals.
- Created **NLP models** using **spaCy**, **OpenAI**, and **data science** techniques to annotate articles and measure performance effectiveness, achieving a 30% improvement in analytical accuracy.
- Produced an **AI-powered** system for extracting insights from 10,000+ tech news articles, using **BeautifulSoup**, **Scrapy**, etc., for content collection and data-processing pipelines.

Massachusetts Institute of Technology

May '24 - Present

AI Research Assistant | Cambridge, MA

- Generated and streamlined **end-to-end data analysis pipelines**, employing advanced machine learning algorithms and deep learning frameworks for training and validation, resulting in a 15%+ improvement in predictive accuracy.
- Conducted exploratory **data analysis** across datasets, improving **feature selection** efficiency by 25%, leading to a 15% boost in model performance.
- Utilized **precision, recall, and F1-score** metrics to validate models, improving model precision by 10% and ensuring continuous iteration for optimal performance.

United Nations: Working Group on Girls

Jan '19 - Jun '23

Web Designer & Social Media Manager | New York, NY

- Synthesized/**developed detailed websites**, enhancing features to ensure seamless usability and achieving a 20% rise in engagement.
- Directed monthly meetings for an international cohort of 100+ girls, utilizing **effective presentation/communication** skills to improve feedback satisfaction by 15%.
- Devised and implemented a **social media strategy** that increased engagement metrics (likes, shares, comments) by 30% over 6 months, resulting in broader reach and improved brand visibility.

EDUCATION

Brandeis University

Aug '22 - May '26

B.Sc. in Computer Science | GPA: 3.7

Awards: Dr. Martin Luther King Jr. Fellow, Deans List '22-Present

Relevant Coursework: Data Structures and Algorithms | Programming in Java | Discrete Structures | Natural Language Processing | Statistics | Information Visualization | Machine Learning

PROJECTS

Renewable Energy Usage v. Electricity Access

Oct '24 - Dec '24

- Conceptualized and implemented an **interactive data visualization** dashboard, analyzing over 10,000 data points to reveal trends in renewable energy usage and electricity access.

Tech-News Summarization Engine

Sep '24 - Dec '24

- Analyzed over 50,000 technology news articles to construct **knowledge graphs**, uncovering trends and insights across 100+ industries.

Predicting Airbnb Availability

May '24 - Jul '24

- Developed a **machine learning** model to predict Airbnb listing availability with over 85% accuracy by leveraging **feature engineering** and **supervised learning** techniques.