

Zen Edwards

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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

PROFESSIONAL EXPERIENCE

Accenture

Aug '24 - Present

Intern | Boston, MA

- Design insightful visualizations using matplotlib, seaborn, and plotly to present statistical findings and **support decision-making** processes with clear, data-driven narratives.
- Create advanced **NLP models** and enhance data-driven decision-making using spaCy and **OpenAI** to annotate articles, identify trends, and measure performance.
- Produce an **AI-powered** system for extracting insights from tech news articles, leveraging **Python libraries** like requests, BeautifulSoup, and Scrapy for content collection.

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 for training and validation, resulting in a 15%+ improvement in predictive accuracy.
- Conducted **exploratory data analysis** (EDA) 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 overall 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 6% rise in engagement.
- Directed monthly virtual meetings for an international cohort of 50+ girls, utilizing **digital collaboration tools** to improve attendance rates and feedback satisfaction by 25%.
- 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.

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.

TECHNICAL SKILLS

Programming Languages: Java | Python | SQL | HTML | JavaScript | TypeScript | CSS | Swift | C++ | R

Libraries/Frameworks: Pandas | Scikit-learn | NumPY | Matplotlib | Node.js | React | PyTorch | TensorFlow

Developer Tools: Visual Studio | Linux | Unix | Eclipse | Tableau | Google Cloud | PyCharm | Jupyter Notebook

Productivity Tools: Powerpoint | Canva Pro | Adobe Creative Cloud | Trello | GitHub | Microsoft/Google Office