Zen Edwards

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EDUCATION

Brandeis University   Aug '22 - May '26

Bachelors 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 │ Operating Systems │ Human Computer Interaction

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML, JavaScript, CSS, Swift, C++
- **Tools/Frameworks:** Pandas, Scikit-learn, NumPy, Node.js, React, PyTorch, TensorFlow, Visual Studio, Linux, Unix, Eclipse, Tableau, Google Cloud, PyCharm, Jupyter Notebook, AWS, MySQL,
- **Machine Learning & AI:** Deep Learning, Statistical Modeling, Large Language Models, Distributed Systems, Optimization, Concurrent Programming

PROFESSIONAL EXPERIENCE

Boynton Insurance Group   May '25 - Aug '25

Website Developer Intern │ Waltham, MA

- Developed and optimized 4 **internal web applications** that streamlined claims processing and policy management, reducing employee task completion time by 15%.
- Improved website performance by implementing **front-end optimizations** (lazy loading, code refactoring, caching), resulting in a **20% faster page load time**.
- **Collaborated** with a team of 5 developers to migrate legacy web components to **React**, **enhancing maintainability and scalability** of client-facing platforms.

Break Through Tech AI @ MIT   May '24 - May '25

Artificial Intelligence Fellow │ Cambridge, MA

- Partnered with a cross-functional team of 4-6 fellows and mentors to design, test, and deploy **machine learning solutions**.
- Built predictive and **NLP model**s using **Pyhon, Scikit-learn, and spaCy** improving text classification accuracy by 30% across multiple datasets.
- Applied **data analysis and feature engineering** techniques to explore 1,000+ data points, deriving insights that optimized model performance.

Accenture   Aug '24 - Jan '25

Artificial Intelligence Intern │ Boston, MA

- **Collaborated** with a team to create 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 10% improvement in analytical accuracy.
- Produced an **AI-powered** system for extracting insights from 10,000+ tech news articles, using NLP techniques for named **entity recognition, topic modeling, and sentiment analysis**.

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.