

Eric Lee

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EDUCATION

Northwestern University, Evanston, Illinois

Anticipated Graduation: June 2026

- Pursuing BA/MS in **Computer Science** with concentration in **Artificial Intelligence**; Minor in **Data Science**
- Cumulative GPA: **3.81/4.00**

EXPERIENCE

Baxter International Inc.

Deerfield, IL

Software Engineer Intern

June 2024 – September 2024

- Developed AI-driven tool using LLM technologies to extract insights from over 2,000+ internal medical papers, helping non-medical employees understand the application and benefits of the company's medical devices.
- Conducted comprehensive unit tests, evaluating the software's performance, and collaborated with product-specific teams to validate the accuracy and relevance of extracted insights, ensuring the tool met high standards of precision and reliability.

SLYD

Remote

Backend Development Intern

March 2024 – June 2024

- Created a .NET Blazor application utilizing Entity Framework for seamless integration with a PostgreSQL database, ensuring robust management of server hardware data using pgAdmin 4 for database administration.
- Structured a comprehensive relational database model following normalization best practices, including multiple tables with primary and foreign keys to detail server components.

IDX Exchange

Remote

Software Development Engineer | Data Scientist

May 2024 – June 2024

- Collaborated with a team of software developers to create and optimize cloud-based applications, enhancing business operations and stakeholder engagement through innovative software solutions.
- Developed and refined machine learning models with a data science team to predict California property closing prices, enhancing predictive accuracy and supporting data-driven business strategies.

Computational Journalism Lab at Northwestern

Evanston, IL

Research Assistant

January 2024 – June 2024

- Engineered a platform integrating LLM and NLP technologies to simplify scientific jargon, enabling journalists to better understand and contextualize scientific articles.
- Authored a white paper that will detail the platform's conception, development, and successful deployment, emphasizing its critical role in enhancing the public's understanding of scientific research.

Project MED

Evanston, IL

Website Developer

March 2024 – September 2024

- Enhanced the Project MED website by restructuring workshop categorizations and updating navigation links, optimizing content delivery and user experience.
- Led the redesign and update of the MEDLead page, fixing critical link errors and demonstrating proficiency in front-end development on the Wix platform.

PROJECTS

Predictive Modeling for Football Match Outcomes | Python, Pandas, scikit-learn

<https://github.com/ericlee878/SoccerGamePredictor>

- Developed a machine learning model using RandomForestClassifier in Python to predict EPL match outcomes, securing a precision of 69.57% and accuracy of 68.84% by applying rigorous data preprocessing and feature engineering techniques.
- Implemented rolling averages and temporal data segmentation to capture team performance trends, significantly improving model precision through innovative analysis of historical match data.

CampusXChange | React, Javascript, Firebase, Git

<https://github.com/394-s24/CampusXChange>

- Used agile methodology to develop a dynamic online platform using React and JavaScript, aimed at enabling campus students to buy and sell used items such as textbooks promoting a sustainable and economical campus ecosystem.
- Utilized Firebase for backend services including user authentication, database management, and hosting, ensuring a secure and scalable infrastructure that supports real-time user interactions and data synchronization.

SKILLS

Computer Languages: Proficient in Python, Javascript, Java, C, C++, C#, HTML/CSS, Racket, and MATLAB

Computer Tools: React, MySQL, Postgres, pgAdmin 4, AWS (S3, Lambda, EC2), Git, Pandas, Unity

Interests: Soccer, Music, Golf, Chess, Penguins