

EDUCATION

Bachelor of Science | Computer Science

University of Wisconsin-Madison | Graduation May 2026

Certificates: Data Science, Entrepreneurship

IES Vienna - Business, Economics, & International Relations

Study Abroad | Spring 2025

WORK AND PROJECT HISTORY

Data Analytics Intern

May 2025 - Aug 2025

M3 Insurance | Madison, WI

Created a custom React Application which utilized AWS Services to pull active data in tandem with Snowflake. Application aided in risk determination and valuable trend forecasting. Improved SQL querying, python skill, and presentation skills through presenting to leadership. Developed data analysis dashboards in Tableau and improved UI/UX experience.

Software Engineer Intern

May 2024 - Aug 2024

Nelnet | Madison, WI

Developed and improved multiple in-house student loan applications while utilizing technologies such as Angular, Node.js, C#, and .NET Frameworks. Refined SQL server run speed by optimizing queries and upgraded function/ease of use of Applications.

Information Technology Intern

Aug 2021 - Jan 2024

Cardinal Glass Industries | Tomah, WI

Enhanced system efficiency by troubleshooting and resolving hardware and software issues. Collaborated with co-workers on programmed database search applications involving SQL and Java. Enhanced Company Network and System Performance.

Portfolio Website | React Application

Aug 2025 - Present

Personal Project

Built an interactive dashboard of unique applications, showcase projects, and casual games using React and Vite. Designed to practice and showcase professional front-end development skills, machine learning image recognition, and various cryptography applications.

Class Group Designator | Python Project

Jan 2024 - Present

Contractor Project

Contracted by a UW-Madison Business Professor, I was asked to create an application which created balanced groups for business classes. Input data from student personality and skill surveys is analyzed and used for creating balanced groups based on projective group scores recommended by professor. Improving and updating today.

PORTFOLIO WEBSITE

<https://ee-portal-bice.vercel.app/>

GITHUB

<https://github.com/Eric-Erdman>

SKILLS & CERTIFICATIONS

Programming Languages & Frameworks

Python, Java, C, SQL

React.js, Node.js

Data Visualization Tools

Tableau, Power BI, Snowflake

Microsoft Power BI Certification

New Horizons

NOTABLE COURSEWORK

CS 577, Introduction to Algorithms

Basic paradigms for the design and analysis of efficient algorithms: greed, divide-and-conquer, dynamic programming, reductions, and the use of randomness.

CS 544, Big Data Systems

Deployed and used distributed systems to store and analyze datasets. Experienced various query languages, processed streaming data, and trained machine learning models.