HENRY PLANTE

847-751-1288 | hplante@nd.edu | Glenview, IL
linkedin.com/in/henryplante

EDUCATION

University of Notre Dame, Notre Dame, IN   August 2022-May 2024
Bachelor of Science, Computer Science
 GPA 4.0

The University of Texas at Austin, Austin, TX   August 2020-May 2022
Bachelor of Science, Computer Science
 GPA 4.0

Relevant Coursework: Stochastic Modeling, Numerical Analysis, Neural Networks, Machine Learning, Introduction to Probability and Statistics, Foundations of Data Analysis, Data Structures, Principles of Computer Systems, Computer Organization & Architecture, Robot Learning, Autonomous Robotics

SKILLS

Technical Skills: Python, SQL, PyTorch, Tableau, Java, C, MongoDB

EXPERIENCE

CME Group, Chicago, IL   Summer 2023
SOFTWARE ENGINEER INTERN (Tableau, SQL)
- Developed, tested, and implemented new tools used in real time credit tracking and trading activity
- Responsible for modifying and improving the accuracy of existing reports based on customer specifications
- Supported organizational training and best practice sharing efforts to drive improved tool utilization
- Modified and improved data linkages across multiple, disparate data sets

Cigna Corporation, Eden Prairie, MN   Summer 2022
SOFTWARE ENGINEER INTERN (Python, NodeJS, MongoDB)
- Performed clustering analysis on health plan data to improve profitability
- Analyzed patterns in rejected receipts to improve existing processing code to drive intake efficiencies
- Created a web application to track health metrics

University of Texas at Austin, Department of Computer Science, Austin, TX   June 2021 – August 2022
UNDERGRADUATE RESEARCH FELLOW Autonomous Human-Robot Interaction (C#, Python)
- Designed a calibration process using rigid transformations to create a fully tracked skeletal model
- Researched how robots can use artificial intelligence to walk past humans more effectively
- Created a virtual reality experiment in Unity using the HTC Vive Headset

University of Texas at Austin, Department of Computer Science, Austin, TX   Fall 2021
TEACHING ASSISTANT Discrete Mathematics under Professor Devangi Parikh

PROJECTS

BetsButStocks   Fall 2022
Sports Betting Marketplace (SQL, PHP, HTML)
- Created a website where users could place virtual bets on real sporting events and then sell those bets later to other users if the odds changed (allowing for speculation on pre-game odds movements)
- Visualized change in value of bets over time to help users understand the market dynamics
- Analyzed data with custom visualizations to determine profitability of the concept
- Facilitated betting competition with over 50 users to test the website with live data

HONORS AND AWARDS
- CME Group Code-Up Hackathon, 2nd Place and Team MVP   Summer 2023
- CME Group Excellence Award for providing critical business value   Summer 2023
- University of Texas at Austin Distinguished College Scholar   2022
- State Seal of Biliteracy in English and German   2020