

Ted Conklin

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OBJECTIVE: Secure a job upon graduating in May 2023 utilizing my skills in the fields of data science, front-end and back-end software development and other relevant coursework.

EDUCATION

UNIVERSITY OF COLORADO AT BOULDER

Bachelor of Science in Computer Science

Boulder, CO
May 2023

- **GPA:** 2.964 (cumulative), 3.290 (major)
- **Relevant Coursework:** Data Structures, Data Systems, Computer Systems, Algorithms, Software Development and Tools, Object Oriented Analysis and Design, Statistics with Computer Science Applications, Artificial Intelligence, Machine Learning

NEW TRIER HIGH SCHOOL

Winnetka, IL
June 2018

- **GPA:** 4.2 (cumulative), 1410 SAT score
- Took all honors and AP classes.

PROJECTS & EXPERIENCE

MEDTRONIC (Boulder, CO), *Senior Capstone Project*

September 2022-Present

- Designed and built a smartphone application for Medtronic that utilizes a social network structure to improve the surgical procedure experience for both patients and medical staff.
- Gained industry experience with team project management and client communication. Improved skills in user interface design, Swift programming language, full-stack app development, teamwork and leadership.

NBA Prediction Model

- Applied data science skills to build a Python web scraper to collect and store a vast set of NBA statistics, create a model with my own machine learning algorithms, and predict the winner of NBA games.
- My current model was able to predict the winner of every NBA game since 1990 with an accuracy score of 69.32%.
- Created program with Python, NumPy, Pandas, Beautiful Soup, Excel, and Machine Learning algorithms.

Virtual Blackjack

- Developed a virtual Blackjack game which utilized my skills in front-end and back-end development, graphic design and object-oriented programming.
- Built game with HTML, JavaScript, CSS, NodeJS, MySQL. Applied object-oriented programming patterns such as state machines, factories and observers to create an organized and concise code structure.

KEY SKILLS

- Excel, Python, Java, JavaScript, HTML, C++, SQL, git
- Full-stack waterfall and agile project management
- UI/UX design skills, Figma prototyping experience
- Experience with data mining and predictive modeling with machine learning algorithms
- Strong group work and project management skills.
- Positive attitude and passionate
- Strong communication and presenting skills
- Self-driven, passion for learning more about coding through personal projects (See my website)

ACTIVITIES & INTERESTS

- **High School Activities:** Sports (Track, Football, and Basketball teams), Clubs (Model UN, Debate team), Volunteering (Warming House Center)
- **University Activities:** Global Engineering Residential Academic Program, Cybersecurity Club competition participant, Intramural sports (Basketball, Ultimate Frisbee, Broomball)
- **Interests:** Cooking, Foreign Languages (Spanish & Italian), Sports (Football, Basketball, Tennis and more), Fitness, Card & Board games, Piano