

# MARCUS LI

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## EDUCATION

University of Washington - Bachelors of Science in Data Science, Minor in Cybersecurity

## TECHNICAL SKILLS

Front End | HTML  
Back End | Java, Python, SQL, R  
Developer Tools | IntelliJ, Git, JupyterLab  
Data Analysis/Visualization | ArcGIS, Tableau

## EXPERIENCE & PROJECTS

Free Flo Box November 2024

Data Visualization for Social Impact Tableau | SQL

- Collaborated with a team to develop and implement an interactive Tableau dashboard for analyzing and visualizing period product pantry utilization
- Calculated derived metrics, including estimated menstrual cycles supported and landfill waste diverted through reusable products, using custom calculations and data transformations.
- Streamlined embedding processes for seamless integration with the organization's website, enhancing user accessibility and outreach efforts.

NBA Game Predictor April 2024

Predict Winners using Python Python | JupyterLab

- Utilized Playwright for automated web scraping of NBA game data and BeautifulSoup for parsing and extracting relevant statistics.
- Trained a machine learning model using scikit-learn.
- Developed a baseline predictive model using logistic regression to establish performance benchmark for NBA game outcomes.

Personalized AI-Powered Basketball Training App April 2024

Hackathon Project

- Collaborated with a team to propose and prototype a personalized basketball training app leveraging AI, machine learning, and computer vision.
- Designed a pipeline utilizing YOLO for object detection and pose estimation to analyze players movements and mechanics.
- Developed features to track shooting accuracy, defensive positioning, passing efficiency, and rebounding mechanics, incorporating real-time feedback tools.
- Focused on user-centered design by conceptualizing an intuitive interface and a recommendation engine for personalized improvement plans.
- Addressed cybersecurity concerns, implementing secure video transmission and cloud infrastructure to safeguard player data.

## LICENSES & CERTIFICATIONS

Supervised Machine Learning: Regression and Classification | DeepLearning AI | Stanford Online Jul 2024  
Credential ID DAA3AGLCZJK6

ISC2 Candidate | ISC2 May 2024 - May 2025

TestOut IT Fundamentals Pro | TestOut Corporation Jun 2023  
Credential ID 6-1C6-V52FP9

