

# LOGAN SHERWIN

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## Education

### University of Chicago

Sep. 2019 – Jun. 2023

*Joint B.S./M.S. in Computer Science, Machine Learning Specialization*

*Chicago, IL*

GPA: 3.82/4.00

Honors: 2021-22 Dean's List

## Experience

### Amazon

Sep. 2023 – Present

*Software Development Engineer – Private Brands Discovery*

*Seattle, WA*

- Contributed to dozens of projects to support our customers' discovery of Amazon Private Brands products
- Served appropriate substitute recommendations to customers on product detail pages
- Improved dataset generation pipelines to improve its efficiency and increase relevance of product recommendations
- Facilitated multiple compliance and migration projects involving various internal and AWS services
- Mentored a Software Development Engineer Intern throughout Summer 2024, supported his growth and learning in the industry, and guided him to complete his project and subsequently receive a full-time job offer

### Amazon

Jun. 2022 – Sep. 2022

*Software Development Engineer Intern*

*Seattle, WA*

- Implemented a new core operator for an internal service for customers to access AWS SageMaker inference endpoints
- Handled customer requests passing through the platform by building and executing requests from our service to the AWS SageMaker endpoint through a non-blocking IO system written in Java
- Processed response data from the endpoint and converted it to the platform's query language as output
- Allowed customers to implement calls to SageMaker models for inference in their business logic

### SESCO Enterprises, LLC

Jun. 2021 – Sep. 2021

*Quantitative Developer Intern*

*Pittsburgh, PA*

- Developed a simulation engine to estimate the fair values of Financial Transmission Rights, an auctioned options and obligations market for wholesale electricity
- Centered around analyzing the behavior of market participants for correlated auctions and assets
- Implemented backtesting for the model, accounting for price elasticity
- Written in Python, with extensions in Nim for optimizing the program's numerical algorithms

### University of Chicago – Department of Computer Science

Mar. 2021 – Jun. 2021

*Teaching Assistant*

*Chicago, IL*

- Guided over 100 student's learning in an introductory computer science course by leading lab sessions and solving problems that arose in their code
- Held office hours to support students in their learning and provide feedback on their code
- Assessed student performance on graded assignments as a member of a ten-person staff team

## Projects

### Adrenaline Recruiting

Feb. 2023 – Aug. 2024

- Developed an iOS app alongside my college teammate to help high-school divers display their skills to college recruiters
- Reached out to diving coaches to understand their needs when recruiting athletes to join their varsity teams
- Integrated with DiveMeets.com to compute proprietary statistics and metrics for athletes
- Functioned as the lead engineer on the project, ensuring high-quality contributions across all engineers

### Diving Pose Estimation

Aug. 2022 – Sep. 2022

- Implemented pose estimation using the OpenCV Python package to identify joints and compute joint angles of a diver
- Overlaid joint angles at a given video frame to show the angles at a given moment during the dive
- Wrote new sequence of frames with angle and pose overlays to disk for divers to observe after analysis

## Technical Skills

**Languages:** Python, Java, Scala, TypeScript, SQL, C++, Swift, Nim

**Technologies/Frameworks:** AWS, SciPy Stack, Git, MongoDB, PostgreSQL

## Extracurriculars

Alpha Kappa Psi Business Fraternity

Jan. 2022 – Jun. 2023

College Varsity Swimming and Diving Team – Captain

Oct. 2019 – Jun. 2023