

# Yehonatan Hezkiya

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## Experience

### Meta, Production Engineer 3+ Years

Aug. 2022 – June 2025

- Building low latency **C++** distributed cache for ranking **500B stories** every hour for **2B+ daily users**
- Managing capacity and service health for one of largest infrastructures in Meta of over half a million nodes including testing load balancing, enabling auto scaling of servers leading to **\$5M+** in efficiency wins
- Enabling service to operate and scale in a mixed hardware environment, **utilizing \$400M+** newly received hardware by doing testing on new hardware for performance issues, fixing lock contention, and stacking containers

### Meta/Facebook, Return Production Engineer Intern

Sept. 2021 – Dec. 2021

- Worked on improving privacy and accountability with a **Hack/php** linter that runs across the entire codebase
- Sent actionable items on how to add security rules for tables that are logged to without proper security practices
- Created a data pipeline scheduled daily with an optimized **SQL** join to retrieve tables relevant to Messaging teams

### Microsoft, Software Engineer Intern

June. 2021 – Sept. 2021

- Leading end to end project development on an internal data-driven dashboard in **React** on A/B experiment data

### Facebook, Production Engineer Intern

Sept. 2020 – Dec. 2020

- Developed debugging tools for Hardware Assessment Tooling team into why server health is failing using Python
- Wrote time-based job scheduler to detect when certain checks pass or fail more than expected and notify users

### Amazon (AWS), Software Development Engineer Intern

June 2020 – Sept. 2020

- Worked on full stack web development under an AWS forecasting team dealing with profit and loss statements
- Developed a backend comparison API in **Java** detailing the variance between related data for different datasets
- Designed mockups and implemented a frontend UI in **Vue.js** to display the differences between datasets

### IBM, Backend Software Developer Intern

June 2019 – Sept. 2019

- Worked in Aspera which deals with data transfers to implement AI/ML into the product to improve user experience
- Leveraged a LSTM machine learning model in **Python** to classify time-series data in transfer sessions as anomalous
- Optimized the model's prediction accuracy by 20 percent from implementing w-shingling
- Operated in an agile work environment with scrum guidelines and daily meetings to achieve set deadlines

### Computer Science Tutor, UC San Diego

March 2020 – June 2020

- Tutored for CSE 12 - Basic Data Structures and Object-Oriented Design for over 700+ students
- Held lab hours to help students with debugging code in **Java** and carried out weekly interviews for 18 students

### Undergraduate Researcher, UCSD Early Research Scholars Program

Oct. 2019 – June 2020

- Studied user security practices and behaviors to attacks on and abuse of the domain name system (DNS)
- Webcrawled through Alexa Top Million, **Python** script to analyze patterns in html content and adware

## Education

University of California San Diego  
B.S. Computer Science GPA 3.60/4.0

September 2018 - June 2022

## Projects

### Impulse (Hacktech) - Won Most Aesthetic/Well-Designed Hack by Caltech

March 2019

- Designed a website to make organization of internship application emails much more manageable
- React/JavaScript for the frontend and utilized REST API calls to node.js backend to process emails
- Leveraged Google NLP API to identify accept/reject status of application that resulted in **90% accuracy**