

# Yehonatan Hezkiya

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## Education

**University of California San Diego**

**GPA 3.54**

**June 2021**

B.S. Computer Science

## Experience

**Backend Software Developer Intern**

**June 2019 - September 2019**

*IBM, Emeryville, CA*

- Worked on the Extreme Blue Team in Aspera to detect anomalous behavior during transfer sessions
- Leveraged a LSTM machine learning model to classify FASP transfer sessions by analyzing time-series data
- Classified anomalies using z-score inference by comparing the predicted regression against the actual time values
- Optimized the model's prediction accuracy by 20 percent from implementing w-shingling for input and training

**Undergraduate Researcher**

**October 2019 - Present**

*UCSD Early Research Scholars Program, La Jolla, CA*

- Studying user security practices and behaviors to attacks on and abuse of the domain name system (DNS)
- Undertaking research for one year and gaining hands-on experience with network measurement and analysis

## Projects

**Bag Alert (Citrus Hacks)**

**April 2019**

- Used OpenCV in Python and a Haar Cascade Classifier to create a secure facial recognition log in
- Rendered video stream and utilized Google Cloud Platform Vision API to detect the correct luggage bag
- On detection of correct luggage bag, sent a text message to owner using Twilio API to notify where bag is

**Impulse (Hacktech)**

**March 2019**

- Webapp that organizes internship application emails and **won Most Aesthetic/Well-Designed Hack** at Caltech
- Built in JavaScript using React for the frontend and utilized REST API calls to node.js backend to process emails
- Identified status of application with 90% accuracy using GCP Natural Language Processing API

**BitPic (SB Hacks)**

**January 2019**

- Worked on backend to build an Android application that processes images taken for objects using GCP Vision API
- Designed algorithm to parse object detection results and retrieve a relevant Bitmoji with SnapKit API

**Discord Bot (Personal Projects)**

**December 2018**

- Created a Discord bot to act as a middle man for two people sharing private information with JavaScript

## Technical Skills

Programming Languages: JavaScript, Python, Java, C++

Frameworks: Android, React

Interests: Computer Science Engineering Society (CSES), IEEE, Women in Computing (WIC)