

# Yehonatan Hezkiya

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## Experience

### Software Development Engineer Intern

June 2020 - Present

#### *Amazon Web Services (AWS)*

- Full stack web development on an AWS financial planning and forecasting team dealing with P&L statements
- Developed a backend comparison API for different datasets in Java detailing the variance between related data
- Designed mockups and implemented a frontend UI in Vue.js to display the differences between datasets

### Backend Software Developer Intern

June 2019 - September 2019

#### *IBM, Emeryville, CA*

- Worked on the Extreme Blue Team in Aspera to implement AI/ML into the product to improve user experience
- Leveraged a LSTM machine learning model 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

### Undergraduate Researcher

October 2019 - June 2020

#### *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)
- Webcrawled through Alexa Top Million and utilized python script to analyze patterns in html content and adware

## Education

### University of California San Diego

GPA 3.60

June 2022

B.S. Computer Science

## Projects

### Bag Alert (Citrus Hacks)

April 2019

- Utilized 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
- Implemented text message feature using Twilio API to notify where bag is to owner

### 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
- Built in JavaScript using React for the frontend and utilized REST API calls to node.js backend to process emails
- Leveraged GCP Natural Language Processing API to identify status of application that resulted in 90% accuracy

### BitPic (SB Hacks)

January 2019

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

## Technical Skills

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

Frameworks/Libraries/Tools: Vue.js, React, Node.js, AngularJS, jQuery, Android, Keras, SQL, Unix, Docker, Git

Interests: Association for Computing Machinery (ACM), IEEE, and Women in Computing (WIC)