Yehonatan Hezkiya

(760) 587-8832 | yhezkiya@ucsd.edu | [yohancs.github.io](https://yohancs.github.io) | [linkedin.com/in/yhezkiya](https://www.linkedin.com/in/yhezkiya) | [github.com/yohancs](https://github.com/YohanCS)

Experience

**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 implementated 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 and utilized **Python** script to analyze patterns in html content and adware

Education

**University of California San Diego** September 2018 -June 2022

B.S. Computer Science GPA 3.60/4.0

Projects

[**Bag Alert** (Citrus Hacks)](https://devpost.com/software/packagecitrus2019) **– Alerts users when their luggage is ready for baggage reclaim 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**
* **Implemented text message feature using Twilio API to notify where bag is to owner**

[**Impulse** (Hacktech)](https://devpost.com/software/impulse-kuwe0b) **- *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)](https://github.com/bennaimd/sbhacks_app) – Retrieves relevant bitmojis based on image classification **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)