Yehonatan Hezkiya

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Experience

**Software Development Engineer Intern** ***Amazon Web Services (AWS)*** June 2020 - Present

* **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 implementated a frontend UI in Vue.js to display the differences between datasets**

**Backend Software Developer Intern** ***IBM****,* Emeryville, CA June 2019 – September 2019

* **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**

**Computer Science Tutor at UCSD 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,* October 2019 – June 2020**

* 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)](https://devpost.com/software/packagecitrus2019) **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)](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) **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)