Yehonatan Hezkiya

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Experience

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 – Present

UCSD Early Research Scholars Program, La Jolla, CA

- Built chrome extension that logs all domains that a website contacts to retrieve resources from
- Developing an ML model to classify website resource files as malicious and compare accuracy with EasyList
- Gaining hands-on experience with network measurement and analysis and Wireshark

Education

University of California San Diego **GPA 3.59** 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: React, Node.js, AngularJS, jQuery, Android, Keras, SQL, Unix, Docker, Git

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