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) 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)