Yehonatan Hezkiya

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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) – 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) - *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) – 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)