Nir Levin

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US Citizen

EDUCATION

UC Berkeley - est. graduation Dec 2021 - 3.63 GPA

BSc. Electrical Engineering and Computer Science
Relevant Coursework: A.I. and Neural Networks, Database Engineering, Systems and Signals, Data Structures, Computer Architecture, Operating Systems, Robotics, Algorithms

SKILLS

Languages

- Python, Java, C, C#, C++ (the whole family), Node.js / Javascript, SQL, Bash

Tools / APIs

- OpenCV, Google Cloud, Kubernetes, PostgreSQL, Azure, SSMS, pandas, Git, Vagrant, numpy

EXPERIENCE

eSUB Construction Software, San Diego - *Backend Intern*

MAY 2020 - JANUARY 2021

- Built a SQL DB automation utility used for all deployments to production, saving the DB engineers 50% of their time
    - Used C# and powershell scripting, integrated with SQL Server Management Studio
- Introduced and enforced coding standard for the entire engineering team (30+ people)

Autofleet, Tel Aviv, Israel - *Data Science / Backend Intern*

JUNE 2019 - AUGUST 2019

- Utilized a Kubernetes system of 30 microservices on Google Cloud which interface together, for an app that optimizes the cost and time for companies which run fleets of automobiles
- Built and deployed cloud services to automate real-time monitoring of ZipCar's VaaS data, which runs daily, pipelining the data to Autofleet's optimization algorithm
- Supported sales team by creating demos and visualizations with pandas and other python libraries
    - These demos showed the cost optimizations possible using Autofleet's system/algorithms to potential clients, such as Mobileye

LEADERSHIP

Underwater Robotics @ Berkeley - *Project Manager*

AUGUST 2018 - PRESENT

- Lead team of engineers to develop software for the RoboSub competition using OpenCV in Python
- Developed background removal algorithm using PCA which is able to pick out objects underwater, as well as object detection / classification using YOLOv3