



EXPERIENCE

Present - Jun 2023

PopID *Computer Vision Engineer*

Built backend APIs for Android POS systems to integrate biometric payment platform into retail stores.

- Deployed new biometric recognition technology to eliminate physical contact with the payment kiosk.
- Tested drive-thru liveness software resulting in 57% increase in successful facial matching performance.
- Led team in a 4-month Steak n' Shake pilot, boosting daily transactions 10x, achieving full-scale rollout.

EDUCATION

May 2024 - Aug 2022

The University of Central Florida *M.S. in Computer Vision | GPA 3.7*

- Top Courses Advanced Computer Vision, Medical Imaging, 3D Computer Vision, Advanced AI
- Dean's List All Semesters

May 2022 - Aug 2017

The University of Central Florida *B.S. in Computer Science | GPA 3.5 | Core CS GPA 3.9*

- Top Courses AI, Robot Vision, Machine Learning, Parallel Programming, CS 1 & 2

PROJECTS

May 2024 - Feb 2024

EffectivePose: Real-Time Pose Tracking *Java, Android Studio*

Integrated ML Kit Pose Detection library into Android app achieving local full body pose estimation at 60 fps on modern smartphones.

- Optimized machine learning models to ensure high accuracy and real-time processing on wide range of Android devices.
- Refined overlay rendering to be asynchronous, reducing pose latency by 400%, enhancing user experience and data collection.

Apr 2023 - Feb 2023

LateNtMovies: Image-to-Video Synthesis *Python, Pytorch*

Developed a novel generative video model using pseudo-3D latent diffusion, to convert images into high-resolution coherent video clips.

- Enhanced motion understanding in unsupervised training using latent diffusion and temporal convolutions.
- Validated model effectiveness through CLIP benchmarks and human evaluations, demonstrating superior realism and fidelity.

Dec 2022 - Sep 2022

Credit Card Fraud Detection *Python, Keras*

Architected machine learning pipeline that efficiently detects fraud within European credit card transaction dataset.

- Stabilized model using regularization to achieve 98% separation of fraudulent and non-fraudulent data.
- Balanced dataset of 300,000 credit card transactions by artificially creating more fraudulent data using SMOTE.

Apr 2022 - Aug 2021

EasyMeshVR *C#, Unity, NodeJS, AWS*

Created multiplayer VR application that allows users to collaboratively edit 3D models and upload their creations to a webserver.

- Managed 5-person team in building mesh-editing, multiplayer, and web architecture to launch application in 6-month period.

LANGUAGES

Programming

Python	● ● ● ● ● ●
Java	● ● ● ● ● ●
Html & CSS	● ● ● ● ● ○
C#	● ● ● ● ● ○
SQL	● ● ● ● ● ○
JavaScript	● ● ● ● ● ○

Conventional

English	● ● ● ● ● ●
Hebrew	● ● ● ● ● ○

SKILLS

Development Experience

Leading programming teams, following Agile development principles, and public speaking.

Python

Building predictive models and neural networks for classifying large datasets.

Java

Dynamic/recursive algorithms, complex data structures, and object-oriented design.

Industry Tools

OpenCV, PyTorch, TensorFlow, Unity, MongoDB, Android Studio, Figma, NumPy, and Pandas.