

Justin Wang

Pleasanton, CA | (925) 875-9228 | jwang.srv1@gmail.com
[linkedin.com/in/justin-n-wang](https://www.linkedin.com/in/justin-n-wang) | github.com/jwang9228

EDUCATION

Northeastern University, Boston, MA
Bachelor of Science in Computer Science

September 2020 - December 2023

TECHNICAL KNOWLEDGE

Languages and Tools: *Proficient:* Java, Python, JavaScript (React, Node), HTML, CSS (Tailwind/Bootstrap)
Familiar: TypeScript, C++, Kotlin
Software: Android Studio | MongoDB | AWS | Postman | Figma
Operating Systems: Android | Ubuntu Linux | Windows

RELATED EXPERIENCE

Agrofocal Technologies, San Jose, CA

Software Developer

January 2024 - Present

- Spearheaded UI/UX design, implementation, and deployment of company admin portal web application to manage client and company data using JavaScript (Vite & React) and Tailwind CSS
- Developed Flask cloud server by maintaining client and company-related CRUD APIs, incorporated in admin portal web application to securely access company databases (MongoEngine)
- Proposed and implemented post-processing algorithms to detect and filter model misclassifications, improving yield prediction accuracy by over 20% across 6 crop types
- Automated analysis for corrupted data and trends in company databases and cloud storage with Python scripts (PyMongo, boto3, XlsxWriter), generating reports to reduce manual inspection time by over 80%
- Architected an over-the-air update pipeline to package software versions to AWS and automatically install products directly to client devices

Software Developer Intern

January 2023 - December 2023

- Trained and analyzed object detection models (SSD MobileNet v1) for inference using PyTorch, TensorRT, and OpenVINO
- Labeled and prepared datasets for training, gathered images and yield results from trials at local farms
- Collaborated with clients at local farms to deploy Android camera application, addressed customer feedback to improve user experience, stability, and performance of app with over 15 stable releases

Software Developer Co-op

July 2022 - December 2022

- Implemented motion tracking algorithm in Android camera application with OpenCV (Java), reducing overall processing time of rendered frames by around 50%
- Minimized network congestion and ensured FPS stability during video encoding and streaming from RTSP server with Android camera application (Java), eliminating 100% of frame drops
- Optimized performance of Android phone camera and image processing features via Android's Camera2 API to reduce image blur and prevent lens distortion

PROJECTS

nexus (nexus.justinnwang.com)

November 2023 - Present

- Built a responsive web application to track player and match statistics for the online game League of Legends using JavaScript (Next.js) and Tailwind CSS
- Utilized AWS S3 to store custom images and Data Dragon API to fetch assets and static data per patch

nexus-node-server

November 2023 - Present

- Designed a RESTful API using Node.js and Express to fetch data from the Riot API, integrated with a MongoDB database to store user and player data
- Deployed using PM2 and accessed over HTTPS via Nginx reverse proxy