

# Justin Wang

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[justinnwang.com](http://justinnwang.com) | [linkedin.com/in/justin-n-wang](https://linkedin.com/in/justin-n-wang) | [github.com/jwang9228](https://github.com/jwang9228)

## EDUCATION

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

September 2020 - December 2023

## TECHNICAL KNOWLEDGE

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Languages and Frameworks: Java, Python, JavaScript (React, Node, Next), HTML, CSS (Tailwind/SCSS)  
Software: Android Studio | MongoDB | AWS | Postman | Figma

## RELATED EXPERIENCE

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### 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

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### **personal website ([justinnwang.com](http://justinnwang.com))**

April 2025 - Present

- Built a responsive personal portfolio using JavaScript (Next.js) and Tailwind CSS

### **nexus ([nexus.justinnwang.com](http://nexus.justinnwang.com))**

November 2023 - April 2025

- 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 - April 2025

- 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