Vladislav Yun

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EDUCATION

The University of Hong Kong   **Sep 2024 - May 2028**
- Bachelor of Engineering in Data Science and Engineering
- Double Major in Finance

WORK EXPERIENCE

AWS: Amazon Web Services, New Zealand   **Dec 2022 - Feb 2023**
Machine Learning Engineer intern | Team Captain
- Led a global team of 4 in developing Machine Learning Research projects.
- Managed team schedules, meetings, and deliverables, culminating in a presentation to AWS.
- Developed and tested 5 Machine Learning algorithms, researching their benefits for forest environments.
- MLPClassifier, SMOTE, AWS SageMaker, and PCA, with KNN, SVM, Random Forest, Logistic Regression

Global Student Center, Kazakhstan   **Mar 2023 - May 2023**
Web Developer
- Created a website for GSC Study, CIS's largest company promoting education abroad
- Used JavaScript, PHP (CakePHP), and MySQL. Integrated CI/CD automation and Bitrix24 APIs for CRM functionalities
- Attracted 500K+ visitors and acquired 10K+ clients through effective CRM and lead management

PROJECTS | STARTUPS

ResearchSage - Founder | CEO
- Advanced quantum AI - driven platform for scientific research
- Chosen for MIcrosoft for Startups program with an acceptance rate of 2%
- $550,000 in MIcrosoft grants
- 2,000,000 words processed; served 5,000 users

QuantaSoil - Founder | CTO
- AI-based eco platform aiding farmers in crop selection
- Let outreach to professors, farmers, investors
- Among the top 5 startups nationally selected by NURIS, Kazakhstan's best startup hub
- Developed Random Forest for crop selection and Gradient Boosting Regressor for fertilizer and crop recommendations, deploying on a cloud-hosted backend, achieving 99.9% accuracy.

MindMinute - Cofounder
- Mental wellness app for Hong Kong students
- CEDARS Ambassador for mental wellness innovation.
- Built with Swift, ElectronJS, ReactJS, Flask, and Node.js, integrating sentiment analysis
- Featured in HKU CS Journal & Participated in several student wellness events

AgriGuard - founder
- Engineered AgriGuard AI's machine learning algorithms, including Random Forest, LSTM, and K-Means; optimized crop rotation strategies are meant to improve yield forecasting accuracy by 30% across diverse agricultural regions in China.
- NLP-powered interface provides farmers with actionable insights effortlessly.
- Real-time Backend integration with AWS

ACADEMIC ACTIVITIES

FIRST Tech Challenge | Robotics Competition | BoltM3
Programming lead, projects lead

- Engineered an autonomous robotic system using PID controllers and OpenCV for real-time recognition, achieving a precision improvement of 30% in movement accuracy while competing against peers at the FIRST Tech Challenge Asia-Pacific Championship.
- Multiple awards at international competitions

Technical Skills
- Expert: Heroku, Flask, Gunicorn
- Experienced: PHP, MySQL, React, MongoDB, AWS S3, Azure, NodeJS, Tensorflow, Scikit Learn, OpenCV
- Beginner: Pytorch, Langchain, Apache, Nginx, Django

HONORS

- International NASA Space Apps Challenge: global nominee, 2nd runner up
- Tech Cup Hackathon: Champion
- Digital Ministry Cup: Champion
- International Scientific-Practical Conference: 2nd runner up
- VK Cup: Machine Learning finalist
- CSA x DSA Cathay Hackathon: Champion
- Chevron AI & Climate Change Hackathon: Champion
- FIRST Tech Challenge Asia-Pacific Championship: 1st runner-up
- National Olympiad in Informatics: Champion

LANGUAGES

- Russian, English, Kazakh