

# Yaroslav Maydebura

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Bachelor's degree in Information System Science and Engineering (ISSE, Ritsumeikan) focused on robotics/HCI and data systems. Hands-on with ROS (1/2), Webots, Python/C++, and shipping working prototypes. Preparing CHI 2026 (FPS latency) and an IEEE journal article (IMU-based drone control). Seeking internships in the Netherlands.

## Education

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**B.Eng., Information Systems Science & Engineering (ISSE)** *2022 – Apr 2028 (expected)*  
*Ritsumeikan University* *Osaka, Japan · GPA: 3.85/5.0*

- Core: Data Structures, Algorithms, Computer Networks, Software Engineering, HCI

**Ukrainian Physics and Mathematics Lyceum (UFML)** *2018 – 2022*  
*Kyiv, Ukraine* *GPA: 10/12*

## Projects

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**TradeVision – News→Markets ML Pipeline** *Jun 2025 – Sep 2025*  
*Individual · LINK*

- NLP features (VADER, FinBERT, recency, keyword\_hits) aligned with OHLCV; walk-forward (5 folds)
- Models: LogReg, RF/ExtraTrees, XGBoost, **LightGBM**; **ROC-AUC 0.82 / ACC 0.70 @ 240 min** (Mar–Sep 2025 hold-out)

**3Escapy – Tourist Spots & Traveler Matching (PBL)** *Feb 2025 – Jun 2025*  
*Team (4–6), Ritsumeikan University · LINK*

- Prototype to discover events/spots and **match** travelers by preferences (tags, budget, dates)
- Role: requirements, POI/places API integration, **content-based recommendation**; system diagrams & backlog; team demo

**FPS Latency & Player Performance – CHI 2026 Barcelona** *Feb 2025 – Apr 2025*  
*Individual + faculty feedback · LINK*

- N=18 CS2 players (18–24); ping vs. K/D: Pearson  $r=-0.72$ ,  $p<0.01$ ; accuracy -18%/-35%; reaction time +30/+60 ms

**Pocket-Flight – IMU-Based UAV Control (ROS + Webots/Gazebo)** *Sep 2024 – Jan 2025*  
*Individual · LINK*

- Phone IMU → ROS @ 100 Hz; complementary filter =0.96; PID attitude control; safety arming/kill
- Simulation (roll/pitch): overshoot **8%**, settling **1.2 s**, max tilt **28°** (cmd 30°)

## Work Experience

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**Co-founder / Contributor – Rennox (AI-assisted ERP startup)** *Sep 2025 – Present*  
*Side project · Remote · LINK*

- Wrote requirements/design for a modular ERP prototype; documented flows; coordinated contributors

**Online Tutor (English & Programming) – Preply** *Mar 2025 – Present*  
*Remote · LINK*

- **279 hours, 283 lessons, 21 students, 323 days**; avg rating 5/5

## Teaching Assistant (Programming/English)

Musashi International School Tokyo

Jun–Aug 2022 & Jun–Aug 2023

Tokyo, Japan

- Supported 90 middle-school students (Scratch/Python); co-created activities; assisted demos/tech setup

## Skills

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**Programming:** Python, C/C++, Java, JavaScript/TypeScript, SQL (PostgreSQL), HTML/CSS

**Robotics/Systems:** ROS (1/2), Webots, Gazebo (basic), Linux, Git, WebSocket

**Data/ML:** Pandas, feature engineering, evaluation/visualization (matplotlib)

**Tooling:** Docker (basic), VS Code, GitHub Actions (basic)

**Productivity/Office:** Excel (VLOOKUP/XLOOKUP, pivots, charts, conditional formatting), Word (styles, Track Changes), PowerPoint (Slide Master); Google Workspace; LaTeX, Markdown; Jira/Confluence, Notion; Slack/Teams

**Languages:** English (C1), Ukrainian (native), Russian (native), Japanese (N5)