

Xinghao Huang

BSc Statistics, Year 4

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Education

University of British Columbia

Kelowna & Vancouver, BC

Bachelor of Science; Major in Statistics

Sep, 2023 – Present

Technical Skills

Programming & Data Analysis: Python, R, SQL, Java, pandas, scikit-learn, Jupyter, RStudio; statistical inference, regression, data visualization, and model evaluation

Tools & Databases: Git/GitHub, VS Code, MongoDB, PostgreSQL, REST APIs

Selected Projects

Urban Bike Infrastructure Maintenance System (Node.js, Express, Oracle SQL)

- Developed a relational database application to track bike condition, inspection history, and maintenance status across different bicycle types.

Interactive Music Player with Rhythm Game (Java, Java Swing, JUnit)

- Designed and further developed a Java Swing interactive music player with rhythm-game functionality, including song management, persistent JSON storage, reusable design patterns, and JUnit-tested core features.

Canadian Fire Visualization (Python, Altair, pandas)

- Built two interactive Altair dashboards with coordinated geospatial and distributional views to analyze Canadian fire severity, including robust handling of inconsistent labels and missing data across decades.

SkySync (React, Flask, Spotify API)

- Developed and further updated a weather-responsive music platform after the hackathon, integrating Flask, OpenWeatherMap, and Spotify APIs while leading rapid frontend prototyping for the MVP.

Additional Experience

Software Developer Intern – RealMaster Technology Inc. – Full-time, Remote

Jul, 2026 – Present

- Develop and test data pipelines for external-source ingestion and MongoDB-to-PostgreSQL migration, including data transformation, synchronization, and verification to ensure consistency.

Market Researcher – Real Property Data – Part-time, Hybrid

Vancouver, BC | May, 2026 – Present

- Collect and verify real estate listing, pricing, transaction, and development-status data from field visits, broker posts, public records, and online sources.

Notetaker – UBC Centre for Accessibility – Part-time, In-person

Vancouver, BC | Jan, 2026 – Apr, 2026

- Produced clear, detailed, and organized lecture notes for students with disabilities, uploading materials to a secure platform within 48 hours while maintaining confidentiality and accessibility standards.

Exchange Student – Fudan University – In-person

Shanghai, China | Jun, 2025 – Jul, 2025

- Completed 5 UBC-transferable Arts credits during Fudan International Summer Session 2025, and received the Go Global International Learning Programs Award from UBC.

Talent Program Participant – China CITIC Bank – In-person

Changchun, China | Jul, 2024 – Aug, 2024

- Supported children with congenital autism through community outreach, delivered the closing ceremony speech on behalf of participants, and received a Certificate of Completion.