

Yuri Korolev

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EDUCATION

Rochester Institute of Technology

Aug. 2023 – May 2026

B.S. New Media Interactive Development, Minor in Finance · Communication Immersion · GPA: 3.91/4.0

Rochester, NY

- **Relevant Coursework:** Data Structures & Algorithmic Problem Solving (I–III), Databases & Data Modeling (SQL), Rich Media Web Applications (REST APIs, NoSQL), Interactive Media Development, Physical Computing (C++/Arduino), Multi-Platform Mobile Development (Dart/Flutter)

EXPERIENCE

Founder & Sole Engineer

Aug. 2023 – Present

Korrit Development · korrit.dev

Remote

- Grew a one-person development agency to **\$45,000+** in revenue, with repeat and referral clients, by delivering custom web and full-stack applications in TypeScript, React.js, PostgreSQL, Node.js, and Tailwind CSS.
- Engineered automated data-tracking and client-communication workflows, saving clients **8+ hours** weekly.

Game Development Instructor

Jun. 2025 – Aug. 2025

iD Tech Camps

New York, NY

- Instructed **400+ students** aged 7–17 across 8 week-long sessions in game development fundamentals using Unreal Engine.
- Translated advanced technical concepts (OOP, game loops, physics systems) into accessible lessons for non-technical and adolescent audiences.
- Recognized by camp leadership for classroom engagement and keeping students focused across week-long technical curricula.

Data Analysis Intern

Jun. 2024 – Aug. 2024

Osaka Namarisuzu Seirenshe Co. Ltd.

Osaka, Japan

- Cleaned, restructured, and standardized **200,000+ rows** of operational data spanning 10 years of production records in **Python** (pandas) and **Excel**.
- Built **Power BI** dashboards and documentation letting the analytics team query historical trends directly.
- Accelerated recurring analysis workflows by **65%** through format normalization and automated Python data pipelines.

PROJECTS

RR Metrics — React, TypeScript, Hono, Cloudflare Workers, Supabase, SQLite, OAuth, Stripe

Dec. 2025 – Jun. 2026

rrmetrics.com · github.com/Snoeo/rrmetrics

- Scaled a full-stack trading journal to **5,000+ trades** by engineering an automated broker-sync engine that **doubled** journaling speed for active users.
- **Open-sourced (Apache 2.0)** and re-architected the hosted Supabase product for local self-hosting on **SQLite**, keeping all financial data on the user's own machine.

YurAI — Claude CLI, SMS API, Webhooks, SQLite, TypeScript, Node.js

Aug. 2025 – Dec. 2025

yurai-assistant.vercel.app

- Built a personal AI assistant reachable over text message: an SMS API and webhooks relay messages to a self-hosted service that pushes them into a terminal running the Claude CLI, letting it answer, manage tasks, and write and run code from a phone.
- Backed it with a local **SQLite** knowledgebase for persistent memory across conversations, self-hosted on a home PC and driven by a Claude subscription rather than metered API calls.

Comically Large — JavaScript, PostgreSQL, Projection Mapping, Physical Computing

Jan. 2026 – May 2026

comicallylarge.framer.website

- Shipped an Arduino-based collaborative drawing game with an 8-person capstone team, showcased at Imagine RIT and the Interactive Media Symposium with **800+ players**.
- Engineered the full gameplay loop including projection mapping onto a shared canvas, and built the hardware integration layer connecting physical tracker input to in-game drawing controls.

Algorithmic Trading Platform — Python, TypeScript, REST APIs, WebSockets, SSH

May 2024 – Present

- **Halved** strategy development time by architecting a plug-and-play framework for WebSocket market-data ingestion and rapid backtesting.
- Ran multiple concurrent strategies under a centralized risk-allocation controller, coordinating capital and exposure across the portfolio from a single live data pipeline.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C#, C++, SQL, HTML/CSS

Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, p5.js, Flutter, pandas, NumPy

Developer Tools: Git, GitHub, Docker, Cloudflare, REST APIs, OAuth, WebSockets, SSH, PostgreSQL, MySQL, Supabase, Power BI

Interactive / Hardware: Unity, Unreal Engine, TouchDesigner, Arduino, Projection Mapping

Design & Certifications: Figma, Adobe Photoshop/Illustrator/Premiere Pro; Adobe Certified Professional (Visual Design)