

# Jadon Huang

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Software Engineer experienced in building interactive, AI-powered full-stack web applications. Skilled in RESTful API design, programming mentorship, and IT support.

## TECHNOLOGIES

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**Languages:** Java, JavaScript, Python, SQL, HTML

**Frameworks & Tools:** React, Next.js, Express, Node.js, PostgreSQL, Git, Tailwind CSS

## TECHNICAL PROJECTS

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**OnlyTreats** — *SF Trick-or-Treat Street Finder* | **Live Demo** | [github.com/j-jh/OnlyTreats](https://github.com/j-jh/OnlyTreats)

- Built a **Next.js/React** app integrating San Francisco Open Data and OpenAI API to identify and rank optimal trick-or-treating streets by neighborhood.
- Designed a scoring algorithm analyzing **100,000+ property records** by sale date, density, and type via Socrata API; aggregated scores by street and ranked them to guide users.
- Generated dynamic AI insights for neighborhoods and streets using **OpenAI API**.

**TamaCatAI** — *AI Virtual Pet* | [github.com/j-jh/TamaCatAI](https://github.com/j-jh/TamaCatAI)

- Created an interactive Tamagotchi-style web app with **Next.js**, **React**, and **PostgreSQL** with per-user persistent pet state.
- Engineered RESTful APIs to manage pet behaviors; integrated **OpenAI API** for dynamic chats.
- Implemented secure authentication (bcrypt + JWT) and input validation to prevent SQL injection.

**Scheddio** — *Scheduling Platform* | [github.com/j-jh/ScheddioPresentation](https://github.com/j-jh/ScheddioPresentation)

- Collaborated in a small team building a multi-role scheduling app with **React**, **Express**, **PostgreSQL**, and **Tailwind CSS**.
- Implemented role-based access control and booking management via RESTful APIs for secure multi-user workflows.

## EXPERIENCE

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**Programming Instructor**

*Sep 2024 — Present*

*theCoderSchool* — San Francisco, CA

- Mentor **15+** students weekly, guiding them through pair programming and hands-on coding projects in **Python**, **Java**, **HTML**, **JavaScript**, and **CSS**.
- Designed **40+** exercises/projects covering **object-oriented programming**, **data structures**, and practical coding challenges.

**IT Help Desk Technician**

*May 2021 — May 2023*

*University of San Francisco* — San Francisco, CA

- Resolved **800+** technical support tickets for **1,000+ users** via phone, email, chat, and in-person.
- Maintained detailed documentation to support efficient troubleshooting and streamline resolution.

## EDUCATION

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**University of San Francisco** — *B.S. Computer Science*

*Aug 2018 — May 2023*