

# Ollantay Z. Scocos

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## Skills

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**Languages** Python, C/C++, TypeScript, JavaScript, Java, Go, Haskell, R, HTML/CSS, SQL, JSON, CSV  
**Technologies** AWS ([CCP](#)), Docker, Git, React, Tailwind CSS, Firebase, MongoDB, PyTorch, Next.js, Node.js, Vercel,  
**Software** RESTful APIs, CI/CD, Linux/WSL, AI/LLM Coding Assistants, Agile, TCP/IP, Pandas, NumPy, Word, Excel

## Work Experience

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**Software Engineer** | *DataAnnotation* Jan 2024 – Present

- Engineered 500+ Docker containers to run and validate code, boosting AI reliability and deliverable coding performance by as much as 250%
- Audited and tested 10,000+ files across complex repositories, improving stakeholder-critical output fidelity by 18%
- Utilized AI/LLM coding assistants to streamline development and testing, increasing engineering throughput
- Automated machine learning unit-test tooling on Linux/WSL, reducing manual QA effort by 20%
- Architected 100+ codebases across Python, C++, TypeScript, backend, database layers for extensive LLM evaluation
- Built CI/CD testing workflows that cut validation failures by 35% and improved early defect detection

## Projects

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**MuseShare** | *TypeScript, React Native/Expo, Firebase, Firestore, REST APIs* *private repo*

- Developed a full-stack React Native/Expo music-sharing app with direct messaging, profiles, and social media flows
- Engineered a persistent cellular automata visual identity system with a machine learning layer, evolving personalized 64x64 album-palette images that reflect each user's music activity and style
- Integrated music metadata APIs with Firebase workflows and TypeScript caching, reducing redundant network/database calls and improving repeated-share latency by 50%+
- Architected scalable Firestore data models and access patterns to support fast client-side queries

**Portfolio** | *React, Tailwind CSS, Next.js, Framer Motion, Vercel* *github.com/Oscocos/portfolio*

- Crafted responsive, modular portfolio site with 50+ interactive entries, animations, and fast load times using React, Next.js, Tailwind CSS, Framer Motion, and GSAP
- Developed reusable React components to organize and display 20+ data-driven items with clean, accessible UX and interactive transitions, improving site performance
- Implemented interactive skill bars using React and Tailwind CSS, allowing visitors to filter projects by technology; observed a 15% increase in project page views from this feature
- Published the site on Vercel with 100 ms builds and 100% uptime, enabling rapid updates via GitHub Actions

**Wrapped Now** | *JavaScript, HTML, CSS* *github.com/Oscocos/WrappedNow*

- Engineered a web app using the Spotify API to display up to 50 top tracks/artists in a Wrapped-style UI
- Introduced OAuth 2.0 authentication to enable secure user login via Spotify, ensuring safe data access and compliance with security standards
- Used Spotify's API and JavaScript to show 50+ top artists for 1/6/12-month periods with interactive HTML/CSS cards

## Education

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**University of Illinois at Urbana-Champaign** Dec 2023  
*Bachelor's of Science in Computer Science + Astronomy* *Dean's List*