

ELLIS ALCANTARA

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java

Development Tools: Next.js, React.js, Node.js, Express.js, FastAPI, SQL, HTML, CSS, Tailwind

Other Tools: Git, AWS, Vercel, MongoDB, VS Code, Unix/Linux, Claude, Jira, Postman, PostgreSQL, Supabase

EXPERIENCE

Workday

May 2024 - August 2024

Atlanta, Georgia

Technical Program Manager Intern

- Collaborated with Infrastructure Public Cloud Engineering teams to improve Agile delivery by identifying pipeline bottlenecks and refining backlog grooming and sprint planning for a more efficient development cadence.
- Developed automated data visualization dashboards using Jira Query Language (JQL) and custom scripts to track real-time infrastructure KPIs, enabling data-driven decision-making for 10+ engineering teams.
- Engineered an automated reporting workflow to aggregate sprint metrics between Jira and Confluence, reducing manual reporting latency by 50% and increasing data accuracy for stakeholders.

Expedia Group

May 2023 - July 2023

Seattle, Washington

Technical Program Manager Intern

- Collaborated with the Strategic Initiatives Program Management team on rolling out One Identity and One Key by designing a Jira structure aligned with Expedia Group strategic initiative planning, improving visibility across objectives, initiatives, and dependencies.
- Developed an automated synchronization process between Jira and Confluence, centralizing the tracking of technical risks and blockers for real-time visibility.
- Optimized the technical delivery lifecycle by constructing custom data filters and dashboards, reducing time spent on manual status aggregation and improving team velocity.

Amazon

May 2022 - August 2022

Sunnyvale, California

Software Quality Assurance Engineer Intern

- Engineered a scalable framework in Python for the Amazon Astro robotics platform, enabling validation of hardware-software integration for consumer accessories.
- Developed a comprehensive testing suite for Amazon Astro, establishing performance benchmarks and reliability metrics to ensure seamless hardware-software integration for consumer-facing accessories.
- Optimized internal Python testing libraries to standardize automation workflows, reducing manual regression testing overhead and increasing code reusability across the consumer robotics organization.

PROJECTS

Software Engineer Intern, HiveRnD (2021) | *TypeScript, React, Node.js*

Birmingham, AL

- Interned as a frontend developer at HiveRnD, a local Birmingham startup, where I developed key web pages including user profiles and registration flows using TypeScript, React, Node.js, and Chakra UI.
- Integrated frontend components with backend services to create and update user data stored in a MySQL database.

Personal Portfolio Website | *TypeScript, Next.js, React, Tailwind CSS, Vercel*

alcantinez.dev

- Developed a responsive personal web application using Next.js, React, TypeScript, and Tailwind CSS.
- Implemented custom logic using pointer delta calculations and percentage-based positioning to ensure consistent behavior across responsive layouts.
- Built reusable UI components including a drag-and-drop system, carousel, and timeline visualization with typed props for flexible content rendering.

AFK Labs | *Python, FastAPI, PostgreSQL, Supabase, Render*

afklabs.xyz

- Built a FastAPI backend integrating with the Old School RuneScape (OSRS) hi-score API to track player statistics and expose REST endpoints for players, sessions, and XP history.
- Designed and implemented a relational PostgreSQL schema with async SQLAlchemy models and Alembic migrations to support time-series snapshots and XP change records.
- Implemented a scheduled background polling system to fetch player data, detect XP changes across 24 skills, and group activity into tracking sessions. Deployed on Render.

Image Generation with Stable Diffusion | *Next.js, React, TypeScript, FastAPI, Stable Diffusion, Supabase*

afklabs.xyz

- Built a full-stack web application for AI image generation, hosted on Vercel.
- Integrated Supabase authentication using magic-link OTP and implemented a token-based credit system for usage control.
- Engineered an asynchronous job queue for image generation with real-time status polling and non-blocking asset delivery.

EDUCATION

University of Alabama - Birmingham

May 2026

Bachelor of Art in Computer Science - Minor in Mathematics

Birmingham, Alabama