Work Experience

Engineering Analyst

Summer Analyst Arenova Capital

- Led development of an internal VFX bidding tool to support portfolio companies (JavaScript, Next).
- Performed data extraction and analysis for internal thesis exploration and deal exploration (Python).

Software Engineer, Intern

Expeditors International

- Led development of two major internal applications over the course of three months (JavaScript, React).
- Implemented virtualization, error monitoring, and application analytics (Proxmox, Sentry, PostHog).

Software Engineer, Consultant

ISA Engineering

- Created an ETL solution to move solar energy production data into a time-series database (Python, InfluxDB).
- Created a custom report generation tool solution for carbon savings (Python, Jinja, Amazon SES).
- Set up and maintained Grafana dashboards for overall monitoring and reporting.

Languages and Technologies

- Languages: JavaScript, HTML, CSS, Python, C++
- Libraries: React, React Native, Next, Tailwind CSS, Pandas, Matplotlib, OpenCV, Catch2, Boost
- Platforms: Windows, macOS, Unix, Cloud (Google, AWS), BaaS (Firebase, Supabase)

Selected Projects

Iridium: Bidding engine for visual effects companies.

• Created a Next.JS application utilizing Supabase and Vercel to manage VFX project bids, with a focus on multi-version support, ingest and export tooling, and a polished interface.

Uplink: RFID-based educational attendance tracking solution.

• Utilized existing student identity cards in conjunction with an Arduino-based sensor module, Firestore database, and React-based web dashboard to create attendance reports for teachers and administrators.

Kaironetic: Open-source programming interface for KUKA Robotics applications.

• Created a C++ library that allowed rapid creation of KUKA Robotics Language software, including abstractions for common tasks such as drawing on paper or playing a piano.

Drive Duels: Turn-based battle game played with physical disks.	2023
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• Won **Most Curious Use of USB** at PennApps XXIV. Utilized JavaScript, React, Electron, and OpenAI.

Discord Wrapped: Analysis tool for large-scale chat history exports.

• Won First Place out of over 80 projects at HackMIT Blueprint. Utilized JavaScript, React, and Plotly.

Education

Clemson University Fall 2022 – Spring 2024 Pursued a B.S. in Computer Science. Member of the Honors College. 3.73 GPA. Withdrew.

Summer 2023 & 2024

Summer 2022

Summer 2022

Aug 2024 – Present

2023

2022

2021

2022