

Daniel Yamakov

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yamakov03.github.io

EDUCATION

The University of Texas at Austin – Austin, TX

Aug 2021 – May 2024 Expected

Major: BS Electrical and Computer Engineering

Concentration: Software Engineering and Systems, **Cumulative GPA:** 3.65/4.00

SKILLS

Programming Languages: Python (scikit-learn, pandas), Java, JavaScript, C++, HTML/CSS

Frameworks: React (Redux, Next.js), Tailwind CSS, Bootstrap, Node.js, Flask, **Tools:** Git, Bash, Docker

Database and Cloud: SQL (PostgreSQL, Microsoft SQL Server), MongoDB, AWS

WORK EXPERIENCE

Hewlett Packard Enterprise – Hybrid/Remote, Houston, TX

May 2023 - Present

Software Engineer Intern

- Developed a Python SDK and CLI for company-wide vulnerability tracker platform that greatly reduces development time
- Developed and maintained new APIs to improve data integrations across applications using the platform
- Responsible for developing new vulnerability dashboard for the platform to help teams act on data-driven insights
- Created new scripts for platform users, including a new framework for generating VEX reports for products
- Addressing regular production bugs and requests tracked in Jira and iterating with CI/CD pipeline
- **Leveraged** API/SDK development, React, Redux, SQL Server, Bash

State Street – Austin, TX

Jan 2023 – May 2023

AI/ML Engineer Intern

- Developed an ML-based anomaly detection application that profiles data and flags anomalies in sensitive financial data
- Created new RESTful APIs and integrated the new services with an existing platform for company-wide use
- Designed new application frontend and created new React components for corporate UI design system
- Handled compiling, building, and deployment of Kubernetes application while addressing bugs and needs of the team
- Developed amidst transition to Azure Public Cloud, working with Docker and S3 to build for new target environment
- **Leveraged** SciPy, scikit-learn, pandas, NumPy, React, API development, Kafka, Docker, S3

Talen Energy – Houston, TX

June 2022 – Aug 2022

Commercial Analyst Intern

- Developed a suite of performance reporting tools to extract information from large scale data
- Designed, proposed, and implemented a new bitcoin miner automation tool that lowers energy usage by more than 15%
- Streamlined data integrations and automated reporting workflows through scripting in C# and SQL
- Developed a predictive financial model that determines historical and projected fleet performance using live market feed
- **Leveraged** C# .NET, Python, Azure SQL Server, large data processing, predictive modelling

Datos Technologies – Houston, TX

Oct 2019 – Jan 2020

Software Engineer Intern

- Maintained a popular point-of-sale Android application that allows users to apply smart discounts to inventory
- Refactored legacy codebase and deployed restructured app, increasing code coverage by more than 25%
- Identified test KPIs to measure system robustness, wrote comprehensive unit tests and resolved production bugs
- **Leveraged** Java, Git, Unit testing, Gradle, Android Studio

PROJECTS (yamakov03.github.io)

Spotify Web Client built with Next.js (spotifynxt.vercel.app)

- Developed a highly customizable Spotify web client clone that lets users modify the UI to match their mood
- Leveraged Recoil for global state, Tailwind for design, and integrated with Spotify API/SDK to play, edit, and get a user's music
- Handled authentication with middleware oauth and JWT with token auto-refresh

Real-Time News Parser Web App (justthenews-flask-app.onrender.com)

- Developed a web app using Python and Flask that scrapes articles to display trending news
- Leveraged Newspaper3k to scrape content and NLTK library to summarize articles using natural language processing

Secure Notes Web App (litenotes-flask-web-app.onrender.com)

- Developed a full-stack web app using Python and Flask allowing users to securely store information in the cloud or locally
- Designed RESTful server integrated with PostgreSQL and middleware leveraging tokenization, AES-256 session encryption
- Leveraged Bootstrap to create intuitive mobile-first UI and implemented CKeditor library for rich language support