Daniel Yamakov

Austin, TX 78705

📞 936-235-1434 ✉ yamakov03@gmail.com 🔗 linkedin.com/in/danielyamakov ⭘ yamakov03.github.io/

EDUCATION

University of Texas at Austin — Aug. 2021 – May 2024
Bachelor of Science in Electrical and Computer Engineering (GPA: 3.65/4.00) — *Austin, TX*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, HTML/CSS, C#, C++, Bash, SQL
Frameworks and Libraries: React, Next.js, Node.js, SciPy, scikit-learn, Flask, TailwindCSS, Bootstrap, Grommet
Technologies: Git, Docker, MongoDB, AWS, Postman, PostgreSQL, Oracle DB, Kafka, Jira

EXPERIENCE

Software Engineer Intern — May 2023 – Present
Hewlett Packard Enterprise — *Houston, TX*
- Designed a developer SDK and CLI for HPE vulnerability tracker, integrating OpenAPI spec and internal packages
- Refreshed tracker landing page with new vulnerability dashboard built with React, Grommet, and Apache ECharts
- Created new REST service endpoints in Express.js backend to improve developer accessibility to product data
- Expanded package extraction and processing capabilities by implementing new automation scripts with Python
- Developed report generation frameworks for software companion artifacts and integrated them into tracker pipeline
- Addressed regular production bugs and implemented new platform features by iterating with CI/CD pipeline

AI/ML Engineer Intern — Jan. 2023 – May 2023
State Street Corporation — *Austin, TX*
- Spearheaded design and implementation of an ML-driven anomaly detection application using Python (Flask, SciPy, scikit-learn), React, Docker and Amazon S3 to handle 1000+ daily requests from over 10,000 users
- Designed new RESTful APIs to integrate existing and new services into Kafka, S3, and Oracle DB pipeline
- Leveraged Postman for testing and performed end-to-end tests to ensure software quality during development
- Developed amidst migration to Azure Cloud, working with Docker, Helm, and S3 to build for new environment

Commercial Analyst Intern — Jun. 2022 – Aug. 2022
Talen Energy — *Houston, TX*
- Implemented key performance reporting tools in C# .NET to extract actionable insights from cryptocurrency and power market data feeds and project future performance using statistical methods
- Developed a bitcoin miner automation tool in C# that lowers power draw by 15%+ by improving mining efficiency
- Identified and resolved automated data capture errors in Azure SQL DB, ensuring reliability of commercial data
- Streamlined data integrations and automated reporting workflows by developing scripts in C#, Python, and SQL

Software Engineer Intern — Oct. 2019 – Jan. 2020
Datos Technologies — *Houston, TX*
- Maintained and refactored Java codebase of a point-of-sale Android app used to track discounts on Clover devices
- Wrote comprehensive unit tests and performed rigorous end-to-end testing with Android Studio and UI Automator
- Track performance and engagement KPIs to identify and implement new app experiences for users

PROJECTS

Spotify-Next Clone | *React, Next.js 13, Recoil, TailwindCSS, Nextauth*   spotifynxt.vercel.app (email for access)
- Developed a single-page application (SPA) Spotify clone that introduces an improved UI and appearance settings
- Leveraged Recoil for global state, Tailwind CSS, and Spotify API/SDK to browse, edit, and play from user library
- Implemented middleware with OAuth2 and JWT to handle user authentication and token auto-refresh

JustTheNews App | *Python, Flask, Bootstrap, JavaScript*   justthenews-flask-app.onrender.com
- Created a web app that scrapes trending news articles across categories and custom search terms in real-time
- Leveraged Newspaper3k to scrape content and NLTK to summarize content using natural language processing
- Designed a mobile-first UI with Bootstrap, optimizing user readability and accessibility on any device

LiteNotes App | *Python, Flask, Bootstrap, PostgreSQL*   litenotes-flask-web-app.onrender.com
- Produced a Flask app that allows users to securely store information in the form of notes locally or in the cloud
- Designed RESTful server integrated with PostgreSQL and handled user auth with werkzeug
- Designed responsive dashboard and editor with Bootstrap and implemented CKeditor for rich language support