Daniel Yamakov

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EDUCATION

University of Texas at Austin   Austin, TX
Bachelor of Science in Electrical and Computer Engineering (Cumulative GPA: 3.64/4.00)   *Aug. 2021 – May 2024*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, HTML/CSS, C, C++, Bash, SQL
Frameworks/Libraries: React, Node.js, scikit-learn, SciPy, Flask, TailwindCSS, Bootstrap, JUnit
Technologies: Git, Docker, MongoDB, PostgreSQL, Oracle DB, AWS, Postman, Android SDK, S3, Kafka

EXPERIENCE

Software Engineer Intern   May 2023 – Present
Hewlett Packard Enterprise   *Houston, TX*
- Built a Python SDK, CLI, and generated rich documentation for company-wide open-source vulnerability tracker
- Developed monitoring dashboard using React, enabling HPE product owners to gain invaluable product insights
- Designed new API endpoints using Node.js Express that provide users access to data-driven vulnerability insights
- Wrote Python scripts to expand package extraction capabilities from SCAs such as Black Duck and Snyk
- Addressing regular production bugs and implementing new platform features by iterating with CI/CD pipeline

AI/ML Engineer Intern   Jan 2023 – May 2023
State Street Corp.   *Austin, TX*
- Spearheaded design and implementation of an ML-driven anomaly detection application using Python (Flask, SciPy, scikit-learn), React.js, Docker and Amazon S3 to handle 1000+ daily requests for over 10,000 users
- Designed new RESTful APIs to integrate existing and new services with Kafka, S3, and Oracle DB pipeline
- Introduced linting, code coverage and testing to maintain software quality throughout development pipeline
- Developed amidst migration to Azure Cloud, working with Docker/Helm/S3 to build for new target environment

Commercial Analyst Intern   June 2022 – Aug 2022
Talen Energy   *Houston, TX*
- Designed, proposed, and deployed a new bitcoin miner algorithm that lowers energy usage by 15%+
- Implemented new performance reporting tools in C# .NET to extract actionable insights from large scale data
- Resolved critical automation bugs in Azure SQL Database, ensuring reliability of live machine and market data
- Streamlined data integrations and automated reporting workflows through scripting in C# and SQL

Software Engineer Intern   Oct 2019 – Jan 2020
Datos Technologies   *Houston, TX*
- Refactored a popular Java Android POS application and redeployed with 30%+ increased code coverage
- Identified test KPIs to measure system robustness and introduced comprehensive unit and end-to-end app tests

PROJECTS

Spotify-Next Clone | *React, Next.js 13, Recoil, TailwindCSS, Nextauth*   spotifynxt.vercel.app (email for access)
- Developed a Spotify clone leveraging Next.js 13 that introduces a highly customizable UI and rich theming options
- Used Recoil for global state, Tailwind CSS, and Spotify API/SDK to browse, edit, and play from user library
- Implemented OAuth2 and JWT middleware to handle user authentication and token auto-refresh

Just The News | *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 library to summarize article title and content using NLP
- Designed mobile-first UI with Bootstrap, optimizing user readability and accessibility on any device

Lite Notes | *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 authentication with werkzeug middleware
- Designed responsive dashboard and editor with Bootstrap and implemented CKeditor for rich language support