NATHAN HARTOJO

linkedin.com/in/nathanhartojo/ | github.com/nathanhtkd

nathanhartojo@gmail.com
972-979-5378

EDUCATION

Texas A&M University — Dec 2024
Bachelor of Science in Computer Science, Minor in Mathematics — *GPA: 3.8/4.0*

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, TypeScript, Bash, Solidity
Full-Stack: React.js, Vue.js, Ruby on Rails, SQL (Postgres), Supabase, Prisma, Tailwind CSS, Express.js, Node.js
Development: Jenkins, Docker, Jest, JUnit, Heroku, AWS, Liquibase, Linux, Git, Jira, WordPress

EXPERIENCE

Ntrepid LLC — May 2024 – Aug 2024
Software Engineer Intern — *Remote*
- Led release candidate creation for Nfusion, including Jenkins debugging, CI/INT promotion, Artifactory management, and cross-functional team coordination
- Implemented error screens for Chrome configuration failures using Vue.js and TypeScript, developed Jest unit tests, enhancing profile management in Virtual Desktop Infrastructure
- Enhanced e2e testing stability by resolving Jenkins pipeline issues in Dockerfiles/Jenkinsfiles, reducing support tickets and boosting efficiency by 20%
- Removed deprecated database columns with Liquibase, validated changes with Playwright tests and refactored code accordingly

TGI Fridays — May 2023 – May 2024
Frontend Developer Intern — *Dallas, TX*
- Partnered with UI/UX teams to overhaul website using WordPress, HTML/CSS, JavaScript, and PHP, driving a 30% increase in user engagement
- Created Event Forms with Sertifi API, aiding Friday's Catering services to target a $10M yearly revenue increase
- Boosted sales by 10% through lunch test expansions and conversion rate analysis with Python and MySQL
- Led bi-weekly SEO sessions with BrightEdge, optimizing homepage speed by 15% through SearchIQ insights

PROJECTS

BrainARcade | *Expo, Three.js, Ar.js, Blender, AWS (Amplify and S3)* — Jan 2024
- Developed educational AR web app with a team of 4, teaching STEM concepts to children through 3D experiences
- Integrated Three.js, Ar.js, and A-frames for interactive web components, utilizing Blender for 3D model creation
- Hosted via AWS Amplify with custom domain management through AWS Route 53 for scalability and accessibility

TAMU Amateur Radio Club Platform | *Ruby on Rails, PostgreSQL, Docker, Heroku* — Aug 2023 – Dec 2023
- Orchestrated creation of a Rails-based web app, with a detailed equipment inventory and user management, cutting down manual tracking time by 40%
- Adopted CI/CD with Heroku and Github, alongside SimpleCov, RuboCop, and Brakeman for high code quality
- Optimized application performance with SQL queries and indexing, reducing query response time by 30%
- Incorporated secure user authentication using Google OAuth and Devise User Library

Human Tracking and Path Prediction System | *Python, ROS2, scikit-learn* — Nov 2023
- Designed a LiDAR data processing system using Python and ROS2, generating insights from raw data
- Employed rviz2 and rqt graph for visualization and testing, ensuring accurate tracking and prediction
- Deployed DBSCAN clustering algorithm for effective identification of groupings in point cloud data

NFT Marketplace | *Solidity, Hardhat, Ethers.js, Goerli Testnet* — Apr 2023
- Implemented a React.js and Solidity-based NFT marketplace with escrow security on the Goerli Testnet
- Leveraged Hardhat and Ethers.js for smart contract testing, refining platform reliability and functionality

AWARDS

TAMU Datathon - 2nd Place | *TF-IDF, Word2Vec, XGBoost, Google Cloud Vision API* — Oct 2023
TAMUHack - 1st Overall Grand Prize | *Flutter, Firebase, Google Cloud Vision API* — Jan 2023