

Nathan R. Perez

linkedin.com/in/nathanperezr/ | github.com/NathanPerezR

EDUCATION

University of Texas at Dallas

Bachelor of Science of Computer Science | 3.7 GPA

Jan 2023 - May 2025

Richardson, TX

Midland College

Associate of General Studies | 4.0 GPA

Jan 2021 - Dec 2022

Midland, TX

WORK EXPERIENCE

Web Development Intern

Ayoka Systems

Jan 2024 - May 2024

Arlington, TX

- Implemented features & resolved bugs in Vue.js, Typescript, and Entity Framework Core
- Features included multiple pages, inventory management & tracking, bar-code scanning, and Pdf generation
- Utilized git feature branch workflow to work effectively within a team

Software Development Intern

Tyler Technologies

May 2023 - Aug 2023

Plano, TX

- Designed and implemented full-stack overhaul to web app that calculated and presented resource projections for 16 quarters
- Developed asynchronous REST API with promised-based requests using Node.js, Axios, & SQL
- Communicated with 2 senior developers and 1 manager in daily stand-ups regarding progress
- Improved data integrity with normalization and relational principles in Microsoft SQL Server
- Collaborated with primary stakeholders on a weekly basis to design and prototype the application
- Leveraged Agile Development principles with Jira, while maintaining a multi-branch Git workflow with team
- Revamped 3 front-end dialogues with new features and a modern user interface with Material UI
- Wrote and published Confluence documentation over new database structure & ReactJS components
- Responsible for aiding in live deployment to production

Receptionist

Bush Tennis Center

Sep 2019 - Jan 2023

Midland, TX

- Key-holder, trained 5 new hires in client interactions and 35+ volunteer's in general duties

PROJECTS

Back-tested Indicators | Python, Backtesting.py, Numpy, Pandas

Jan 2024

- Implemented stock market indicators including On-Balance Volume and Relative Strength Index, then back tested indicator based strategies on historical market data

Account Aggregator | ReactJS, JavaScript, CSS, SCSS, ReChart

Aug 2023

- Co-developer of financial aggregator which visualized transactions with Plaid API, allowing for overview of accounts such as Bank of America, Vanguard, American Express and 12,000+ participating institutions

Moist Meter | React JS & TS, Python, Google Cloud, Raspberry PI, HiveMQ, MongoDB

Oct 2023

- Front-end developer on IoT web-app, 1st place winner in hackUTA's Main Track and State Farm's track

HateDeception: Adversarial NLP | Python, PyTorch, NumPy, Pandas, Matplotlib, NLTK

Jan 2023

- Responsible for the cleaning, lexical analysis, and visualization of 32,000 records before & after EDA & GloVe
- Worked in red team to decrease large language model classification by 20% while maintaining meaning of tweets
- presented with 4 other students in research symposium to audience of professors, students, and researchers

Personal Website | Bootstrap 5, Html, CSS

Jun 2023

- Personal website hosted at <https://nathanperez.dev>, showcases 10+ projects not related to academic work

TECHNICAL SKILLS

Languages: C, C++, C#, Rust, Java, JavaScript, Typescript, Python, SQL (Microsoft), HTML, CSS, SCSS, Dart

Frameworks: React, Vue.js, .NET, Flutter, Bootstrap 5, ExpressJS, Entity Framework Core

Developer Tools: Git, MongoDB, Jira, Confluence, SSMS, IIS, MongoDB, Linux / Unix, Figma