

John Egnatis

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Portfolio: <https://johnnegnatis.github.io/portfolio/>

GitHub: <https://github.com/johnnegnatis>

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EDUCATION

Bachelor of Computer Science

The University of Texas at Dallas, Richardson, TX

Expected Graduation: December 2023

GPA: 3.934

TECHNICAL SKILLS

Languages: TypeScript, Java, C, SQL, HTML/CSS, MATLAB, MIPS Assembly Language
Technologies/Frameworks: React, NodeJS, UNIX Command Line
Software Tools: MySQL Server, AWS, Jira Software, Jenkins, Docker

RELEVANT EXPERIENCE

WaveXchange, Richardson, TX

Full Stack Software Developer June 2022 – Present

- Collaborated with manager to develop a client facing website designed to allow third-party companies to manage their telecommunication devices in real time; these telecommunication devices may also be bought and sold in a global marketplace. Technology stack is React/TypeScript/NodeJS/MySQL.
- Coordinated versioning and deployment of the application and the company's landing page website onto Amazon Web Services with Bitbucket version control and Jenkins CI/CD pipeline.
- Rearchitected the projectstorm/react-diagram library to accommodate WaveXchange's intricate business and UI/UX requirements and provide customers with an intuitive canvas.
- Engineered an API protocol which enables the NodeJS backend to communicate with third party telecommunication technology, an essential part of WaveXchange.
- Designed software demos to be presented to investors.

PROJECTS

Basketball League Management System

September 2022 – December 2022

- Directed a team of five in the design, architecture, and construction of a database whose purpose is to store information about players, teams, games utilizing a MySQL server.
- Spearheaded the database's deployment onto Amazon Web Services.

UNIX File Management Server

April 2022 – May 2022

- Architected a barebones client-server architected application using C.
- Implemented a multithreaded server to be connected to multiple instances of the frontend concurrently.
- Designed the file system with optimizing data structures that accelerate API calls while ensuring the database does not become corrupted due to race conditions.

NHL Simplified

January 2022 – February 2022

- Developed a mobile-friendly web application using React to display real time statistics of the NHL
- Utilized several public APIs to gather the team statistics, team logos, player statistics, and player portraits which get rendered by React into sortable, interactive tables.

ADDITIONAL INFORMATION

Languages: Native English, Conversational Spanish

Vice President of the UTD Lacrosse Club

June 2022 - Present

- Handles roster verification, recruiting, and other miscellaneous tasks.

Waiter at Bellagreen

August 2021 – August 2022

- Provided quality customer service in a fast-paced restaurant environment.

Construction Superintendent Assistant Intern at Grenadier Homes

May 2021 – August 2021

- Assisted the management of a jobsite through scheduling labor and supervising the status of houses.
- Provided Spanish-to-English translation which greatly improved workplace efficiency.