Kien Nguyen

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CAREER GOAL

Detailed-oriented Software Development graduate with expertise in full-stack web development. Committed to collaborate with cross-functional teams, escalating code issues, and driving operational improvement. Driven to continuously improve technical skills and learn from best practices to deliver quality work.

SKILLS

- **Proficient in** Java, JavaScript, TypeScript, ReactJS, React Redux, Redux Thunk, NextJS, HTML, CSS/Sass.
- **Experienced with** Git, NodeJS, ExpressJS, Python, Tkinter, Sequelize, Mongoose, NextJS, Vercel.
- **Knowledgeable in** AWS services, SQL Server, data structures and algorithms, basic Unix operations.

EXPERIENCE

Seneca College Housing Hackathon   Mar. 2024
Finalist   *Toronto, Canada*

Travel Sabbatical   Jan. 2023 – Jan. 2024

Seneca College – OSTEP applied research program   Sep. 2021 – May 2022
Research Assistant   *Toronto, Canada*
- Reduced rendering time of real-time data graph of maximum 3000 data points from increasing exponentially down to linearly by replacing the third-party graph library with a custom html5-canvas-based charting module.
- Expanded on the existing NodeJS WebSocket interface to the backend to enable adding new UI features.

PROJECT

Tree-Walk Interpreter using Java and JVM   2024
- Developed a Lox language interpreter with a lexer, parser, and runtime environment, supporting control flow structures, 8 data types including first-class functions and classes.
- Designed error handling, array management, and CI testing using Makefile and GitHub Actions.

Windows Desktop App - Desktop Pet   2023
Personal Project
- Built fully functional desktop pet application with Python and Tkinter with user interactions, animated movements, and customizable preference setting.

Computer Vision with Face Finder Web   2021
Capstone Project – Seneca College
- Leveraged Python, OpenCV, and Scikit-learn to train a face recognizer model using small datasets to detect specific face from photos.
- Implemented dialog authentication components with Facebook Graph API and Instagram Graph API.

EDUCATION

Seneca College   Sep. 2018 – Aug. 2022
Honor Bachelor of Technology – Software Development   *Toronto, Canada*
- Graduated with honor, GPA: 3.7/4.0. President's Honor List (Fall 2018, Summer 2021).

CERTIFICATES

- **AWS Cloud Practitioner, Foundational C# with Microsoft**