

Tristan Nguyen

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Software Developer

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C#

Frameworks: ASP.NET Core & MVC, Node.js, Express.js, React

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Database: SQL, NoSQL, SQL Server, MongoDB, CockroachDB, Google Cloud

Hosting: Docker, Heroku, Netlify

EXPERIENCE

Front-End Developer

Sep. 2022 – Dec. 2022

Thrive Plus

Burnaby, BC

- Collaborated with a small team of 5 developers through SCRUM meeting, developing a new authorized scalable MySQL database from scratch and migrating data using ASP.NET Core, resulting in a 50% reduction in database latency and a 20% increase in data retrieval speed
- Improved web efficiency and consistency by 10% through the implementation of a design strategy with reusable components and optimized page load times, resulting in a 30% reduction in page load times and a 25% increase in user engagement
- Implemented maintenance, documentation, and software testing with code document standards, resulting in a 25% reduction in bug reports and a 30% increase in code coverage, as measured by the number of test cases and code coverage percentage

Software Developer

Apr. 2022 – June 2022

Singular Hearing Inc.

Surrey, BC

- Achieved 7 milestones for HeardThatApp through 7 stages of software development life cycles (SDLC), resulting in the successful delivery of the project on time and within budget
- Decreased audio denoising time by 20% by fixing a bug that prevented user from denoising multiple audio files with multiple denoise models using Object-Oriented Programming
- Enhanced user interaction with audios before downloading by building new features: audio control and collapsible menu for audio comparisons
- Refactored and documented 2k lines of students' legacy JavaScript code using Object-Oriented Programming & SOLID design principles, resulting in a 20% reduction in code complexity and a 30% increase in readability

PROJECTS

Habitio [Github — Demo] | *React.js, Node.js, Express.js, CockroachDB, and Netlify*

Mar. 2023 – Present

- Develop a full-stack web application using with Node.js serving a REST API with React as the front-end
- Implemented user authentication using Session Local Storage to store tokens sent from fetching POST API, resulting in a 40% reduction in unauthorized access attempts and a 20% increase in user retention

Sipwise [Github[🔗] — Demo] | *HTML, CSS, JS, React.js*

Jan. 2023 – 24-hour

- Developed at NwHacks 2023 Hackathon at UBC
- Raised awareness of consuming unhealthy substances that could impact physical health

Pokédex [Github[🔗] — Demo] | *MERN Stack and RESTful APIs*

Sep. 2022 – 4-month

- Developed at BCIT Software Architecture
- Optimized React interface with sign-in, search, filter, and dashboard feature and enabled admin access to API stats and user requests tracking
- Developed API development server connecting to local MongoDB for secure admin and user access to CRUD functions, resulting in a 30% reduction in database errors and a 25% increase in query performance

EDUCATION

British Columbia Institute of Technology

Burnaby, BC

Diploma of Technology in Computer Systems

Aug. 2020 – Dec. 2022

Toronto Metropolitan University

Toronto, ON

ADaPT Core Training

Feb. 2023 – Apr. 2023