

# Tristan Nguyen

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## Software Developer

### TECHNICAL SKILLS

**Languages:** JavaScript, C#, Java, HTML/CSS  
**Frameworks:** React, C# .NET, Node.js  
**Database:** SQL, NoSQL, MongoDB, CockroachDB  
**Hosting:** Docker, Heroku, Netlify, Firebase  
**Others:** Git/GitHub, CI/CD, Docker, REST API

### EXPERIENCE

#### Front-End Developer, Practicum

09/2022 – 12/2022

*Thrive Plus*

*Burnaby, BC*

- Led a team of 5 to develop a new **MySQL** database from scratch and migrated data using **C# .NET Core**, reducing database latency by 50% and accelerating data retrieval by 20%
- Reduced page load times by 30% and increase user engagement by 25% by optimizing server-side rendering and utilizing **React** lazy loading feature
- Tested website for bug and loading speed, fixing bugs and documenting processes to increase efficiency by 18% and code coverage by 21%

#### Software Developer, Practicum

04/2022 – 06/2022

*Singular Hearing Inc.*

*Surrey, BC*

- Surpassed **HeardThatApp** milestones by achieving 7 out of 5 goals, exemplifying exceptional team collaboration and motivation to exceed expectations.
- Reduced audio denoising time by 20% and download time by up to 25% for the HeardThatApp, by fixing a bug that prevented many audio files from being processed simultaneously
- Enriched **user experience** for audios by 32%, by implementing new features: enabling audio control, audio visualizer, and collapsible menus for audio comparison
- Refactored and documented **2k+ lines** of legacy **JavaScript** codebase, resulting in a 60% reduction from 2k to 800 lines of code and a 30% increase in code maintainability score

### PROJECTS

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

03/2023 – Present

- Develop a **full-stack** web application, encourage users to form and keep track of habits
- Implemented user authentication using **Session Local Storage** to store tokens sent from fetching CockroachDB POST API

#### Sipwise [[Github](#)] — [Demo](#)] | *HTML, CSS, JavaScript, React, and Firebase*

01/2023 – 24-hour

- Developed at **NwHacks 2023 Hackathon at UBC**, raising awareness of consuming unhealthy substances that could impact physical health
- Calculated water intake needed based on given body weight

#### Pokédex [[Github](#)] — [Demo](#)] | *MERN Stack and RESTful APIs*

09/2022 – 4-month

- 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

### EDUCATION & CERTIFICATES

**Bachelor of Science**, Applied Computer Science, British Columbia Institute of Technology

Expected: 12/2025

**Diploma of Computer Systems**, British Columbia Institute of Technology

Completion: 12/2022

**ADaPT Core Certificate**, Toronto Metropolitan University

Completion: 04/2023

- Coursework:** Coding, SEO, Data Analytic, Design Thinking, and UX Fundamentals