**Noah Park-Nguyen**

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**Skills**

* **Front-End**: React, Tailwind CSS, HTML5, CSS3, JavaScript
* **Back-End**: Node.js, Express, MongoDB, Java, Spring Boot
* **Tools**: Visual Studio Code, IntelliJ IDEA, Apache Maven, Eclipse
* **Collaboration**: Git, GitHub, Microsoft Azure DevOps, Agile/Scrum, Microsoft Office Suite
* **Languages**: English (native), French (conversational)

**Experience**

**Algonquin College | Student Tester | Ottawa, ON** *Jan 2024 – Apr 2024*

* Developed a Java automation tool that updated API documentation, cutting 8+ hours of manual effort per update.
* Built an automated system to detect and update outdated API data, streamlining documentation maintenance.
* Resolved 50+ bugs in Azure DevOps, improving system stability and reducing errors in the team’s workflow.
* Wrote tests with Junit-5 to confirm form logic, increasing test coverage by 20% and improving application reliability.

**FINTRAC | Application Developer | Ottawa, ON** *Sep 2024 – Dec 2024*

* Authored 100+ test cases for the R3 project, covering data management, system responsiveness, and role-based access.
* Executed 200+ test cases, finding and reporting 10+ critical bugs, leading to improved system stability.
* Facilitated cross-team communication between testers and developers, ensuring quick resolution of urgent issues.
* Contributed to 25% of the team’s test suite, meeting agile iteration deadlines and ensuring feature completeness.

**Projects**

**Meeting Map |** [**GitHub**](https://github.com/SerenePrince/MeetingMap) **|** [**Demo**](https://meetingmap.onrender.com/) *Node.js, Express, MongoDB, React, Tailwind CSS*

* Developed a meeting scheduling platform with role-based authentication, enabling admins to manage users and rooms.
* Integrated React Query for real-time data synchronization, refining API calls and state management.
* Automated expired meeting cleanup using node-cron, ensuring database efficiency and a cleaner user experience.

**LinkLounge |** [**GitHub**](https://github.com/SerenePrince/LinkLounge) **|** [**Demo**](https://linklounge-2inr.onrender.com/) *Node.js, Express, MongoDB, React, Tailwind CSS*

* Designed a custom web page builder, allowing users to create profiles with unique themes, icons, and unlimited links.
* Implemented JWT authentication with email-based password resetting, securing users and improving recovery options.
* Developed an email feedback system using Nodemailer, enabling direct communication between users and admins.

**Video Game Database |** [**GitHub**](https://github.com/SerenePrince/VGDB) *Java, Spring Boot, MongoDB, React, Tailwind CSS, Maven*

* Built a RESTful API in Spring Boot with Maven dependencies, ensuring modular and maintainable development.
* Created a React front-end with an intuitive UI, allowing users to browse, filter, and review video games.
* Designed a MongoDB database schema to store user reviews and dynamically update game information.

**Flashcards |** [**GitHub**](https://github.com/SerenePrince/Flashcards) **|** [**Demo**](https://sereneprince.github.io/Flashcards/) *React, Tailwind CSS*

* Developed a study tool using IndexedDB, enabling users to manage flashcards without a database connection.
* Implemented JSON export/import functionality, allowing users to back up and restore decks seamlessly.
* Designed a fully responsive UI, ensuring accessibility across desktop and mobile devices.

**Wordle Clone |** [**GitHub**](https://github.com/SerenePrince/Wordle) **|** [**Demo**](https://sereneprince.github.io/Wordle/) *React, Tailwind CSS*

* Recreated Wordle’s game logic, including turn-based play and color-coded feedback for letter placement.
* Developed an adaptive on-screen keyboard, enhancing accessibility for mobile and desktop users.
* Managed game state using React hooks, ensuring smooth and interactive gameplay.

**Education**

[**Computer Engineering Technology – Computer Science (Advanced Diploma)**](https://www.algonquincollege.com/sat/program/computer-engineering-technology-computing-science/) *Expected Graduation 2025*

**Algonquin College | Ottawa, ON**

* GPA: 3.76 / 4.0
* Relevant Coursework: Web Programming, Data Structures, Object-Oriented Programming, Numerical Computing