Nathan Puma

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EDUCATION

University of Sydney   Camperdown, Sydney
Bachelor of Science, Major in Computer Science   *2020 – 2021, Feb. 2023 – Present*
- **Relevant Coursework**: Data Structures and Algorithms, Object-Oriented Programming

PROJECTS

Serene Haven | *React, Next.js, Vercel, Supabase*   June 2024 – July 2024
- **Project Links:** GitHub Repository | Website
- Developed an online platform for renting out cabins in Sweden using React and Next.js.
- Designed a user-friendly, responsive interface to ensure a seamless experience across devices.
- Implemented server-side rendering and static site generation for improved performance and SEO.
- Integrated a booking system with Supabase, allowing users to search, view, and reserve available cabins.
- Deployed on Vercel, allowing live interaction with website and database.

2D Tank Wars | *Java, Processing Library, Gradle*   March 2024 – May 2024
- **Project Links:** GitHub Repository | Live Demo
- Developed a turn-based 2D tank game using Java and the Processing Library, incorporating complex mechanics and graphical elements.
- Implemented object-oriented principles to design game components, ensuring maintainable and scalable code.
- Utilized JUnit testing to verify game logic and mechanics, ensuring robust and reliable gameplay.
- Managed build and dependencies using Gradle, facilitating smooth project development and integration.

Anime Treasury | *React, Next.js, Tailwind CSS, TypeScript*   June 2024 - July 2024
- **Project Links:** GitHub Repository | Website
- Developed a dynamic web application to display and manage anime content using React for the frontend and Next.js for server-side rendering and routing.
- Styled the application using Tailwind CSS for a modern and responsive user interface.
- Utilized TypeScript to enhance code quality and maintainability by providing static type checking.
- Implemented features such as dynamic routing, API integrations, and state management using React hooks.
- Deployed the application on Vercel for continuous integration and scalable hosting.

Responsive Portfolio Website | *React, Vite, Node.js, JSX, Netlify*   July 2024
- **Project Links:** GitHub Repository | Live Demo
- Developed a responsive portfolio website with light and dark modes using React and Vite.
- Utilized Node.js and JSX for building and managing React components.
- Deployed the website using Netlify, ensuring accessibility worldwide.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript, TypeScript, HTML/CSS
Frameworks: React, Flask, Node.js, JUnit, Next.js, Vite, JSX
Developer Tools: Git, Git Bash, Visual Studio Code, Postman, Gradle, Vercel
Libraries & Technologies: SQLAlchemy, Flask-CORS, Axios, Supabase, Tailwind CSS

EXTRACURRICULAR ACTIVITIES

Australian League of Legends Champion: Led a team to victory in the Australian League of Legends championship, demonstrating strong communication, teamwork, and strategic thinking skills.
International Competitor: Competed overseas, requiring effective communication and collaboration with teammates from diverse backgrounds, and showcasing the ability to perform under pressure.