Jennifer Tan

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https://jnnfrui.github.io/

EDUCATION

University of Toronto St. George   Toronto, ON
Honours Bachelor of Science in Computer Science   *Expected Graduation Year: June 2027*

WORK EXPERIENCE

Technical Operations Developer Co-op   May 2024 - August 2024
WizRobotics   *Richmond Hill, ON*
- Enhanced platform consistency and reduced bug-related downtime by through comprehensive front-end tests using PlayWright, and designed APIs with Express, Axios, and Django to streamline testing processes.
- Collaborated with designers and developers to create wireframes, mockups, and prototypes in Figma, reducing development time.
- Developed a user-friendly website for lesson creation using React.js, integrating three micro front-ends with Qiankun, improving integration efficiency and reducing new feature development time.
- Managed a project with two developers, overseeing timelines, assigning tasks, and conducting weekly meetings.

Front-End Developer Intern   June 2023 - August 2023
Canadian World Education   *Richmond Hill, ON*
- Developed engaging high school curriculum incorporating modern methodologies and interactive elements, significantly enhancing student engagement.
- Managed timelines and organized lessons, ensuring timely delivery and adherence to educational standards.
- Programmed interactive lessons with React.js, creating user-friendly designs that improved learning experiences.
- Created over 200 detailed lesson plans, greatly enhancing curriculum diversity and educational quality.

STEM Instructor   Sept 2021 - August 2024
Wiz Robotics   *Richmond Hill, ON*
- Redesigned the teacher onboarding system, streamlining training and enabling early feedback, which significantly improved teachers' understanding and efficiency.
- Instructed students in Arduino, Java, and Python, fostering foundational knowledge and hands-on skills.
- Contributed to curriculum development and enhanced teaching strategies, diagnosed and resolved computer issues, and fostered supportive communication with students and parents.
- Hosted weekly scrum meetings with teachers to discuss improvements in teaching methods and curriculum.

PROJECTS

Sticky | *HTML, CSS, JavaScript*   Jan 2024
- Designed and developed an interactive front-end application enabling users to generate AI-assisted notes for studying, utilizing APIs to enhance learning strategies.

SMARTSudoku | *Java*   Sept 2023 - Nov 2023
- Programmed an interactive problem-solving game inspired by Sudoku, incorporating REST Api's to create a competitive board that plays against the user.
- Collaborated with team members using Github version control to efficiently work on different features of the project.

Hello Universe | *React Native*   Jan 2023
- Developed an interactive educational application designed to teach various STEM subjects to young students, emphasizing the contributions of women in STEM.
- Coordinated with team members, ensuring effective communication and collaboration throughout the project lifecycle.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Swift, Shell Scripting, Assembly
Developer Tools: Node.js, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Xcode, Figma
Frameworks: React.js, React Native, Django, Qiankun
Libraries: Redux, pandas, Pygame, Plotly, Pillow, Tailwind CSS, Material UI, PhET, react-beautiful-dnd, react-dropzone, Langchain, OpenAI