Ryota Fujinoki

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EDUCATION

University of North Texas   **Denton, Texas**
B.S. in Computer Science   *Expected Graduation, May 2026*
- o **Concentrations:** Intelligence and Modeling/Simulations
- o **GPA:** 3.36/4.00
- o **Related Coursework: -** Data Structures & Algorithms, Machine Learning, Digital Logic Design, Statistics & Applications, Computer Organization

PROJECTS

Pomodoro-Timer | React, JavaScript, CSS
- Developed a responsive Pomodoro Timer application using React, JavaScript, and CSS to improve productivity through timed work and break sessions
- Implemented dynamic session and project tracking with React hooks, enabling custom session durations and real-time updates
- Designed a modular, user-friendly interface with clean code architecture and effective state management for a seamless user experience

Mental Health Companion App | React Native, Node.js, OpenAI, HuggingFace
- Developed an AI-powered chatbot using OpenAI API and Hugging Face sentiment analysis to provide emotional support and mindfulness exercises
- Built a full-stack mobile app using React Native (frontend) and Node.js (backend), integrating Google Cloud Speech-to-Text and Text-to-Speech for voice interaction

SimCity – City Simulation System (C/C++)
Developed a simulation system to model the growth and impact of residential, industrial, and commercial zones in a city over time.
- Designed and implemented a city simulation in C/C++ to model the interaction between residential, industrial, and commercial zones, including the effects of pollution.
- Implemented **pollution dynamics**, simulating the spread of pollution across zones, with stronger effects for Industrial areas

EXPERIENCE

K's Denki Technical Support   **Tokyo, Japan**
Tech Support   *September 2020 – July 2021*
- Resolved 95% of technical support tickets for Windows systems within 24 hours by diagnosing hardware/software issues

Costco Wholesale   **Yokohama, Japan**
Backend   *August 2021 – July 2022*
- Assisted customers, restocked inventory, and ensured store operations ran smoothly during peak hours
- Maintained a clean and organized workspace to improve efficiency and customer experience

Leadership & Community Involvement

Shiloh Terrace Baptist Church   **Dallas, Texas**
August 2024
- Assisted in teaching and engaging children in educational activities, promoting learning through interactive lessons and hands-on projects
- Collaborated with fellow leaders to create a positive experience for participants, fostering teamwork and a sense of community

SKILLS

- **Languages:** Python, C++, R, JavaScript, SQL
- **Frameworks/Libraries:** React, Flask, Scikit-learn, Pandas
- **Tools/Platforms:** AWS, Azure, Git, PyCharm