JEFFERY XIE

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EDUCATION

UNIVERSITY OF SASKATCHEWAN

Bachelor of Science - Computer Science Major   SEPT 2018 – APRIL 2022

SKILLS AND TECHNOLOGIES

- **Languages**: JavaScript, HTML, CSS, Python, Java, and C#.
- **Libraries and Frameworks:** React, NextJS, MaterialUI, TypeScript, and SASS.
- **Server and Cloud:** Google Firebase, MongoDB, Heroku, Netlify, Express, NodeJS and Docker.
- **Other:** Practiced working in team environments using Git, Figma, TDD and Agile methodologies.

PROJECTS

PROSPER | FIGMA 🔗 | DEMO 🌐

A website application that promotes mental health and positivity through daily diary entries.

- Developed the front-end using React, TypeScript, NextJS, and SASS.
- Designed and prototyped multiple variations of the user interface using Figma.
- Implemented user authentication and a real-time database using Google Firebase.

POKÉPEDIA | CODE 🔗 | DEMO 🌐

A pokédex that displays information about every pokémon in a responsive UI.

- Developed using MongoDB, React, Express, and NodeJS.
- Implemented state management with Redux & React-Redux.
- Hosted website using cloud-based services such as Netlify and Heroku.

PATHFINDING VISUALIZER | CODE 🔗 | DEMO 🌐

A pathfinding visualizer that shows how various pathfinding algorithms work in real time.

- Created using Python.
- Allows user to place weighted path nodes and create their own mazes.
- Includes algorithms such as A* Search, Dijkstra's, and Prim's Algorithm.

WORK EXPERIENCE

ESSO GAS STATION | Gas Station Attendant   OCT 2016 – APR 2017

- Answered phone calls for tow calls and other inquiries.
- Maintained a clean and fully stocked work environment.
- Processed customer payments and performed mid-shift deposits and cash-outs.

REFERENCES

Available upon request