

# Zifan Pan

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[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

## EDUCATION

**University of Toronto, St. George**

Toronto, ON

Bachelor of Science in Statistical Science

Sept 2017 - June 2021

*Relevant courses: Computer Programming; Computational Thinking; Data Structure And Algorithm; Data Science*

## PROJECTS

**Dish Guru** - MERN App

[View Live](#) | [GitHub](#)

React | Redux | Express | NodeJS | MongoDB | SCSS

- A full-stack app using React, Express, NodeJS, and MongoDB.
- Design error handling middleware to catch errors, hash and save user passwords by using authentication algorithms, handle different routes and guard private routes for authorized users, and structure data frames using 3 models from scratch with Mongo.
- Uses Redux and Redux toolkit for easier maintenance, and bridged back-end and database using Express and Mongoose to enable data transfer including user info, recipe details, and associated reviews.
- Allows users to add, customize, update and delete their dishes while authenticated, explore various dishes shared by others and leave reviews.

**Trip Planner** - React App

[View Live](#) | [GitHub](#)

React | TypeScript | SCSS

- A front-end app using React, TypeScript, and SCSS to help users better plan their trips by listing all stops and calculating estimated time.
- Implements TypeScript for faster debugging, more robust refactoring, and easier codebase management.
- Allows users to add, edit, delete, and toggle optional and favorite stops using a simplistic layout for an intuitive experience.

**Room Page** - PSD conversion

[View Live](#) | [GitHub](#)

HTML | JavaScript | CSS

- A static website with a responsive layout on phone and desktop using HTML, JavaScript, and CSS.
- Built a JavaScript carousel from scratch to enhance user experience.

## SKILLS

React, Redux, Express, NodeJS, MongoDB, JavaScript, ES6, TypeScript, HTML, CSS/SCSS, Python, SQL/MySQL, Command-Line, Git/Version Control, Responsive Design, Web Accessibility, Collaborative Programming