Toma Okabayashi

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EDUCATION

Curtin University　　　　　　　　　　　　　　　　　　　　　　　　　　Perth, WA
Bachelor of Computing, Major in Software Engineering　　　　　　　　　　*Expected 12/2026*

EXPERIENCE

Japanese Restaurant Kitchen Hand　　　　　　　　　　　　March 2022 – Present
SHOU Japanese Kitchen　　　　　　　　　　　　　　　　　　*Greenwood 6024, WA*
- Assisted with financial transactions using Square by Block Inc, managing digital menus and facilitating touch card payments
- Provided customer service by taking orders, serving food, and addressing customer inquiries and concerns
- Organised and implemented UberEats and DoorDash applications to expand the restaurant's delivery services, resulting in increased revenue
- Analysed sales data and customer feedback to optimise menu offerings and strategies for online delivery platforms

Competitive Gymnastics Coach　　　　　　　　　　　　　June 2019 – Present
Northern Districs Gymnastics Club　　　　　　　　　　　　*Balcatta 6021, WA*
- Developed personalised training programs for athletes to improve performance and achieve competitive goals
- Provided feedback and guidance to athletes during training sessions to enhance skills and techniques
- Organised and led gymnastics competitions, ensuring smooth operations and adherence to rules and regulations
- Collaborated with parents and other coaches to create a supportive and motivational environment for athletes

Gymnastics Judge　　　　　　　　　　　　　　　　　　Sept 2019 – Present
Gymnastics WA　　　　　　　　　　　　　　　　　　　　*Leederville 6007, WA*
- Evaluated gymnastic routines and performances based on established criteria and standards
- Provided constructive feedback to competitors to help them understand strengths and areas for improvement
- Maintained impartiality and fairness during judging processes to uphold the integrity of competitions
- Participated in judge training sessions and workshops to stay updated on rule changes

PROJECTS

Sudoku Solver *GitHub Link*　　　　　　　　　　　　　　Dec 2023 – Jan 2024
- Optimised search space by utilising **backtracking algorithm** upon encountering invalid configurations to explore possible solutions efficiently
- Designed a Java program using backtracking recursion to solve Sudoku puzzles ensuring valid number placement by following Sudoku rules before placement

Shop Finding and Navigation System *GitHub Link*　　　　　Sept 2023 – Nov 2023
- Custom **data structures** included Graph, Hash Table, Linked List, Max Heap, and Shop class for efficient shop and graph management
- Utilised **depth-first search** (DFS) and **breadth-first search** (BFS) for pathfinding between shops
- Enabled category-based shop search for targeted navigation
- Visualised shop connections in terminal using a graph data structure for efficient navigation

Flappy Bird Replica *GitHub Link*　　　　　　　　　　　　May 2023 – June 2023
- Implemented game mechanics including bird movement, obstacle generation, and collision detection
- Generated dynamic pipe obstacles, leveraging Swing library for graphics rendering

TECHNICAL SKILLS

Languages: Java, C, JavaScript, Python, HTML/CSS
Developer Tools: Git, VS Code, PyCharm

EXTRACURRICULARS

Represented WA in Gymnastics 2017-2023: State Team Leader 2023, WA MAG Champion 2019/2022/2023, Placed 2nd in Nationals 2023
Gymnastics Judging: Advanced Accreditation 2023, Judge Panel Leader 2022-Current
Japanese: Fluent in Japanese, Continuously studying to enhance proficiency