

Kyle Tseng

778-302-3576 | pta32@sfu.ca | 205-15322 101 Ave | Surrey, BC, V3R 4G9

TECHNICAL SKILLS

- Proficient with Python, C#, C++, HTML, CSS, Pandas and SQL
- Comfortable with Office, VS Code and Git
- Able to function Windows, Mac and Linux platforms

TRANSFERABLE SKILLS

- Excellent written and verbal communication skills
- Ability to work under pressure and in time sensitive situations
- Strong leadership and teamwork abilities

PROJECT EXPERIENCE

September 2021 – Present

Developer, SFU Robot Soccer

- Solved issues with the software team using C++, grSIM and QT
- Conducted research to design and improve a brand new AI system for the robots
- Developed and researched the first iteration of pathfinding algorithms tailored to our own offensive and defensive strategies with the AI team

January 2021 – April 2021

Developer, Fresh Potatoes (Web Application)

- Developed in a team of six using Django, JavaScript, Python, SQL, API, JSON, HTML and CSS
- Designed front-end UI from scratch to provide a smoother and a better user experience using CSS and HTML
- Constructed adaptive layout for different browser sizes to ensure readability on a variety of displays
- Implemented user specific pages to create a simple and efficient movie searching environment using TMDB API

September 2021 – Present

Developer, AI Pathfinding

- Built an experimental design within a virtual environment to extend standard pathfinding in Unity game engine
- Implemented a variety of pathfinding strategies using A* algorithms, NavMesh, and waypoints
- Compared and evaluated the performance of different strategies for deeper understandings of artificial intelligence

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NON-TECHNICAL EXPERIENCE

April 2018 – September 2021

Store Manager, Steve's Poke Bar, South Surrey, BC

- Maintained 4.9/5 rating on Google by leading the team with the highest standards in both customer experiences and food quality
- Hired, trained and coached 50+ staff members, 2 assistant managers and one store manager
- Helped open 6 locations to ensure smooth transition for new crew members and managers
- Managed inventory, labour budget, and food waste to maximize both profit and smooth operation of the store
- Built connections with nearby businesses to gain exposure of newly opened locations

VOLUNTEER WORK

September 2014 – September 2016

Surrey Food Bank, Surrey, BC

- Distributed and filled customer food bags after selection
- Organized food donations for easier and efficient access
- Rotated food items regularly to ensure freshness
- Assisted other volunteers and customers as necessary

EDUCATION

September 2017 - Present

Simon Fraser University, Surrey, BC

Computing Science

Expected graduation: 2023

ACHIEVEMENTS

September 2014 - September 2017

- Junior Varsity Best Lineman
- Senior Varsity Leadership Award
- BCHSF AA West Conference All Star O-Line