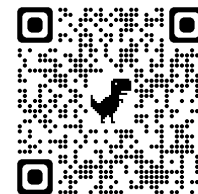


# SHUAI ZHU (VINCENT)

## Aspiring Software Engineer

@ vincent.zhu@mail.utoronto.ca    (+1) 647-861-6833    Toronto, Canada  
in https://www.linkedin.com/in/shuai-zhu-74b983220/    https://github.com/Vincentzs  
🔗 https://vincentzs.github.io/Shuai-Zhu/

Portfolio Web



## EXPERIENCE

### Intern Software Engineer in Test

#### Veeva Systems

May 2022 – Present    Toronto, Canada

- Developing new software for automation testing features and tools using **Java** and **Cucumber**.
- (In progress) Developing Data Creation automation tool using **MDL (internal DDL)** and **Java** which saved **100% time** for data creation and approximately \$70,000/yr for the company.
- Practiced agile methodology (Scrum) in alternate daily stand up, sprint planning, code reviews, and code base management.

## PROJECTS

### Snake Game

#### Python, PyGame

- Created a 2d desktop game with integrated graphics and audio.

### Academic Planner

#### Java, SQLite, fxml

- Created a desktop application in a group of six with GUI(fxml) and **SQLite** to help students schedule academic deadlines and university events.
- Applied **CRC cards**, **SOLID Principles**, **Clean Architecture**, **Design Patterns**
- Result:** Improved time management by 10%.

### Video Game Social Media Design: Harmony

#### Figma, Double Diamond Model of Design

- Worked alongside Chair of Programming at TorCHI to conduct primary secondary researches and usability testings to create an high-fidelity prototype to create a more interactive and positive multiplayer game community.
- Result:** Top 5 in the class.

### Space Jet Game: Jet YZ

#### Assembly Language

- Designed an infinite pixel art game that the player can shoot incoming asteroids with the help of various pick-up items/upgrades, difficulty increases.
- Result:** Top 10 in the class.

### Puzzle Solver

#### Python

- Built an automatic puzzle solver for Sudoku, Word Ladder, and Expression Tree Puzzles.
- Result:** 100% Accuracy in any puzzles given.

## EDUCATION

B.Sc. in Computer Science cGPA 3.2/4.0

### University of Toronto St.George Campus

Sep 2019 - Apr 2024    Toronto, Canada

Data Structures & Algorithms, Software Design, Databases, UI/UX Design

## PROGRAMMING

Python

Java

SQL

JavaScript

HTML/CSS

C

Assembly Language

Latex



## SKILLS

Linux    Git    Shell    Bash

## ACHIEVEMENTS

- Top 3 Actuarial Students' National Association Case Competition: 2022

## HACKATHONS

- Google Developers Solution Challenge: 2022
- UofTHacks IX: 2022

## CERTIFICATES

- UofTAI: LearnAI 2022-2023 (In Progress)
- Codecademy Full Stack Engineer (In Progress)

## INTERESTS

UofT Kendo Club    Aquarium  
Game    Finance    Nature    Eating  
Technology