Vicky Chen

437-985-3793　　|　　vickychen.chen@mail.utoronto.ca　　|　　linkedin

Education

University of Toronto   Expected Dec 2024
BSc, CS Specialist & Bio Minor   *Toronto*

- **Relevant Coursework:** Software Design, Software Tools and System Programing, Computer Organization, Data Structure and Analysis, Intro to Software Engineering, Operating System, Computational Complexity and Computability, Intro to Machine Learning, Computer Organization

Skills

Languages: English (native), Mandarin (native)
Programming Skills: Python, Java, C, JavaScript, Bash, Shell, Typescript
Tools & Technologies: AWS (DynamoDB, Amplify), Microsoft Azure, Docker, MongoDB, Machine Learning, Git, Agile Development
Soft Skills: Problem Solving, Communication, Attention to Detail

Work Experience

Software Engineer Intern   June 2023 – May 2024
Thomson Reuters   *Toronto*

- Collaborated on **large-scale infrastructure projects**, developing and optimizing workflow in the ONESOURCE Platform
- Designed and implemented Python scripts leveraging **AWS DynamoDB** and **Apigee**, streamlining data update processes and enhancing system efficiency for seamless integration and data management
- Utilized **Microsoft Azure** for backlog management and project planning within the **SCRUM Framework**
- Executed end-to-end tasks using **TypeScript** and **Angular** across front-end and back-end

General Intern   May 2022 - June 2022
3rdi Laboratory Inc.   *Remote*

- Researched and compiled logistical data entries on Microsoft Excel for over 100 global museums, driving initiatives for **data-driven partnerships** and improved data analysis processes
- Enhanced website performance through **WordPress** contributing to continuous delivery and infrastructure monitoring

Lead Instructor   Sept. 2021 - April 2022
Code/Art   *Remote*

- Encouraged students to learn **Python** and **Javascript** leading hands=on coding projects while fostering a positive learning environment
- Managed virtual classrooms and maintained high engagement using icebreakers and interactive coding activities

Extracurricular and Projects

Personal Website | *React.js, AWS Amplify* | vickychen.space

- Built a dynamic, responsive website using the **React.js framework** and **NPM** for efficient package management
- Deployed and hosted the website seamlessly using **AWS Amplity**, ensuring reliability and scalability

MyShell | *C, bash, Linux*

- Developed a custom terminal using **C** in Unix-style environment, implementing core Unix concept such as **pipes, file processing** and **signal** for robust command execution and inter-process communication
- Created and optimized key functionalities (e.g., echo, cat, var) while gaining a deep understanding of **process management** and **shell programming** in a **Unix-like environment**, dedicating over 600 hours to **designing, debugging, and problem-solving**

InDevConnect | *Prototype, Design, Research*

- Conducted interviews, surveys, and observations to implement a prototype aimed to increase indie game exposure
- Generated multiple workshops with potential users to improve low-fidelity prototypes using pre-designed scenarios
- Analyzed results from workshops with heuristics and wrote **usability reports** of findings
- Designed and generated a **high fidelity prototype** in **Figma** with multiple useability interface

Vice-President of Event | *Harmonix Music Club at University of Toronto*

- Orchestrated a talent show that brought over 100 attendees and generated over 800 dollars in revenue for donations
- Created an environment for music lovers to practice and interact with each other
- Responsible for event organization from beginning to end including venues, auditions, lighting, budgeting, and more