Tok Lam (Toryn) Chua

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EDUCATION

University of Toronto   **Toronto, Canada**
Bachelors of Science in Computer Science   Sep 2023 - May 2027
- Arts and Science Internship Program (Co-op)
- **Related Coursework:** Foundations of Comp Sci I, Calculus with Proofs, Foundations of Comp Sci II, Linear Algebra I, Java Software Design, Multivariable Calculus, Probability and Statistics, Data Structures and Analysis

WORK EXPERIENCE

ECENTRA SDN. BHD.   **Kuala Lumpur, Malaysia**
Information Technology Summer Intern   May 2024 - July 2024
- Executed comprehensive unit testing to identify and document over 50 website errors, improving functionality.
- Resolved over 50 IT issues for colleagues, including software installations and network troubleshooting.
- Provided timely effective customer service to over 100 clients, addressing technical queries and resolving issues within 24 hours on average, achieving a 95% satisfaction rate.
- Effectively communicated with both business users and technical colleagues to address issues and provide solutions.

STEAM LAND Education   **Kuala Lumpur, Malaysia**
Camp Assistant   Aug 2022
- Guided a team of 10+ young students in enhancing their English and debate skills
- Collaborated with other assistants in creating educational and engaging activities, focusing on public speaking

EXTRA-CURRICULARS

University of Toronto Computer Science Student Union   **Toronto, Canada**
Peer Mentor   Oct 2024 - Present
- Guided a student in balancing academics, internships, social life, and well-being, with targeted support on key Computer Science topics, including recursion and Python.

University of Toronto Malaysian Singaporean Student Association   **Toronto, Canada**
Media Director   May 2024 - Present
- Developed visually engaging materials for events using Canva, resulting in a 30% increase in event visibility.
- Planned and created a promotional video on Instagram for an event, which garnered over 2,000 views and increased the association's account growth by 30%.
- Played a pivotal role in enhancing collaboration efforts between the association and external organizations, such as TalentCorp Malaysia, to strengthen community ties.

The STEM Bulletin   **Kuala Lumpur, Malaysia**
Technical Team Lead   Jul 2022 - Apr 2023
- Maintained, updated and solved issues with website using Wix.com
- Prepared and scheduled new articles to be published on the website
- Improved and monitored website's SEO using Google Search Console to analyze website's performance
- Utilized robots.txt files and XML sitemaps to improve website's SEO resulting in a **50% growth of web traffic**

PROJECTS

Bill Splitter   **Toronto, Canada**
Project Associated with CSC207 Coursework   Nov 2024 - Dec 2024
- Built a Java program to automate bill splitting among users, featuring a Swing UI designed with Figma
- Implemented OCR elements using the Veryfi API to enable receipt scanning and bill-splitting functionality.
- Conducted rigorous unit and integration testing to validate accurate parsing, assignment, and payment calculations.
- Collaborated in an Agile environment and employed Git for version control to manage project contributions.
- Designed and utilized UML diagrams to outline system architecture and workflows

Predict and Contain   **Toronto, Canada**
Project Submission for NewHacks 2024   Oct 2024
- Built a predictive simulation using cellular automata in python to model wildfire spread across a grid based map
- Effective forecasting of fire reach and containment timelines were designed to be based on environmental conditions
- Matplotlib was used to accurately visualize the spread of fire and simulate the spread in real time

File Automation System   **Toronto, Canada**
Independent Project   December 2023
- Developed Python-based automated file sorter, categorizing files based on audio, image or video file types.
- Used the Watchdog library for real-time directory tracking and event handling..
- Integrated with Windows Task Scheduler for seamless background execution

Top-down shooter video game   **Kuala Lumpur, Malaysia**
Independent Project   Oct 2022 - Mar 2023
- Designed and created a top down shooter video game in Python which employs the usage of Pygame.
- Integrated a relational database using SQLite to keep track of user scores and Tkinter for creating a robust UI

SKILLS

Languages: Python, R, Java, HTML/CSS
Technologies: Pytest, Watchdog, Pygame, Tkinter, GitHub/Git, Matplotlib, Java Swing, Figma, Visual Studio Code, SQLite, API
Other Skills: Communication, Computer Literacy, Detail-Oriented, Problem Solving, Adaptability, Effective Listening, Team Collaboration, Word, Outlook, Excel, Powerpoint, resilient, critical thinking