Tok Lam (Toryn) Chua

| toryn.chua@mail.utoronto.ca | linkedin.com/in/torynchua-a3f/ | github.com/TorynC | (437)-663-0298 |

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
- Assisted colleagues with IT troubleshooting, boosting **productivity by 70%,** minimizing downtime
- Delivered responsive customer service to around **100+ clients** in total, achieving a **95% satisfaction rate**

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
- Partnered with other club executives to implement innovative club development strategies leading to an increase in community engagement and brand visibility

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 using a Swing UI and using the Veryfi API to implement OCR elements to allow 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.
- Utilized object-oriented programming principles for a modular and maintainable codebase.

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 video game in Python which employs the usage of Pygame.
- Integrated SQL and Tkinter for creating a robust user interface, managing user accounts and tracking game scores

SKILLS

Languages: Python, SQL, R, Java, HTML/CSS
Technologies: Pytest, Watchdogs, Pygame, Tkinter, Github/Git, Matplotlib, Java Swing
Other Skills: Leadership, Powerpoint, Excel, Communication, Teamwork, Problem Solving, Mentorship