

Darren Trieu

(416) 628-0978 | darrentrieu03@gmail.com | [linkedin.com/in/darrentrieu](https://www.linkedin.com/in/darrentrieu) | github.com/Pyrunix

TECHNICAL SKILLS

Languages: C, Python, Java, JavaScript, HTML/CSS, C#, SQL

Frameworks: React, Node.js, Express, Flask, Mocha, Chai

Developer Tools: Git, Unity, Agile, Scrum, Bash Scripting, Figma, Jira, mySQL, Docker, MongoDB, Firebase, NeDB

EDUCATION

University of Toronto Scarborough

Toronto, ON

Candidate for Honors Bachelor of Computer Science (Co-op) (BSC)

Class of 2025

PROJECTS

Passion Pals | *HTML/CSS, Javascript, React, MongoDB, Node.js, Express, Docker, Git, Jira*

- Developed a web application in a team of 6 using the MongoDB Express.js React Node.js stack with RESTful API, and implemented CI/CD using GitHub Actions, Docker, and Kubernetes
- Practiced Agile and Scrum methodologies, facilitating regular stand up meetings on Slack and sprint cycles on Jira to collaborate and communicate with teammates effectively
- Features user authentication with email, event management, searching and filtering feed, friends functionality, live messaging, SMS notifications, real-time updates, and much more

Act It Out | *HTML/CSS, Javascript, React, Next.js, Express, Git, WebRTC*

- Collaboratively developed "Act It Out," a Next.js-based web application allowing users to seamlessly drop in and play charades with friends
- Engineered RESTful API architecture integrating WebRTC for real-time video communication and Sockets for concurrent game functionality, ensuring smooth interaction between frontend and backend systems

PintOS | *C, Linux, Git*

- Collaborated within a team of three to complete PintOS projects one through four, contributing ideas, insights, and code, honing both individual and group project management skills
- Engaged in a comprehensive study and practical implementation of operating system principles, gaining hands-on experience in kernel development, system calls, threads, memory management, and core OS functionalities.

KirboBot | *Python, Flask, Replit*

- Developed an interactive Discord Bot using Python and Flask, enhancing user engagement and interaction through varied responses and commands
- Enabled bot interactions, allowing responses to user messages and functionalities such as joining/leaving voice channels, as well as commands to play music, enhancing user engagement and entertainment within Discord servers

OfCourse | *Android Studio, Java, Firebase, Git, Figma*

- Collaborated within a team of 5 to create a dynamic Android application using Android Studio, Firebase, and Figma, focusing on user-centric design and functionality
- Practiced Agile project management framework to effectively facilitate efficient task management, ensuring excellent team communication and collaboration

Power Platform | *Assembly, MARS 4.5*

- Developed a robust platforming game using MIPS assembly in MARS 4.5, demonstrating proficiency in low-level programming and deepening understanding of computer architecture concepts
- Implemented diverse game mechanics, including a health system, interactive items, moving platforms, dynamic sprites, and animated win/lose screens, showcasing versatile programming abilities within the MIPS assembly environment

WORK EXPERIENCE

UNIQLLO | *Sales Associate*

Summer 2021

- Provided high-level customer service through excellent and professional communication while adhering to product organization and store cleanliness standards
- Adapted quickly to role changes as the team required, improving flexibility, teamwork, and communication skills