**Walter Karabin**

**Computer Engineer**

647-526-1221; [walter.karabin@gmail.com](mailto:walter.karabin@gmail.com);

[Personal Website](http://walterkarabin.com/) [LinkedIn](https://www.linkedin.com/in/walter-karabin/) [Github](https://github.com/walterkarabin)

**SOFTWARE ENGINEERING EXPERIENCE**

***Software Engineer / Technical Lead, HR.com,*** *Georgina, ON*(May 2022-Present)

* Built a custom “transpiler” that translates code into modern typescript
  + Over 13,000 files with over 3 million lines of code refactored
* Proficient in multiple AWS services (EC2, ECS, S3, RDS, Route 53, IAM)
* Utilize terraform to manage resources (Infrastructure as Code)
* Lead maintainer on the Repo, Manage Code Merges and Deployments
* Leader & Mentor
  + Coach team members 1 on 1 (May 2024 to present)
* Build processes and workflows to optimize developer/QA team integration (Asana)
* Developer Onboarding
  + Dockerized the entire application for single command local setup
  + Develop comprehensive documentation to streamline onboarding for developers

**Tech Environment:** Node, React, Typescript, Github, MySQL, AWS, Terraform, Docker, Linux, Windows, MacOS

***Software Engineer (Part Time), Caldwell Recognition,*** *Mississauga, ON*(August 2023-July 2024)

* Developed a custom plugin to automate updates for imported products.
* Employed PHP to implement logical processes for checkout and cart functionalities.
* Engineered customized logic for presenting information to registered users and visitors.

**Tech Environment:** PHP, Wordpress, MySQL, Javascript & CSS, HTML5

***Software Engineer (Part Time), Karabin Design Build,*** *King City, ON*(May 2023-Jan 2024)

* Develop a custom application for internal accountability
  + iOS application built in Swift & SwiftUI
* AI integrations to streamline data cleansing
* Server integrations with 3rd party APIs such as OpenAI, Harvest, Google, etc.

**Tech Environment:** Swift, SwiftUI, Node, Angular, Typescript, MongoDB, AWS (EC2, S3, Route 53, IAM), Github, OpenAI API, Prompt Engineering

**RELEVANT PROJECTS**

[***Battery Zapper***](https://walter-droplet.itch.io/batteryzapper)***, PC game*** (2022, Self-directed)

* Self-directed project for the MiniJam 100: Overload
* Coded custom shaders for in-game textures and effects
* Trello organizational software allowed for easy tracking and completion of tasks

**Tech Environment:** Unity, Github, GLSL, C#

**EDUCATION**

***BASc, Computer Engineering, Queen’s University,*** *Kingston, ON*(2017-2022)

* Relevant courses: Software Development, Object Oriented Programming, Human-Computer Interaction, Information Structures, Software Specifications, Database Management Systems, Design Thinking, Engineering Design & Practice
* $2000 Excellence Scholarship Queen’s University (2017)

***St. Andrew’s College,*** *Aurora, ON*(2013-2017)

**LEADERSHIP EXPERIENCE**

***Varsity Athlete, Captain, MVP, Queen’s Football*** (2017-2022)

* Team Captain
* Balanced a full Engineering course load with a rigorous 40+ hour training schedule
* Head of the Unity Council, Player lead initiatives
* Lou Bruce Recipient, Most Outstanding Defensive Player (2021)
* Johnny Evans Recipient, Most Valuable Player (2022)

**HOBBIES**

* Snowboarding
* Surfing
* Heavy Equipment Operation
* Musically inclined (Guitar, Piano, etc.)
* Fortnite Esports player, Queen’s University (2020)
* Acting