



# Joseph Waldron

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## Goals

Seeking a **Software Engineer** position to leverage my skills to develop impactful products and services that drive change in the world.

## Education

**B.S. Computer Science concentrating in Data Science Kean University**, Union, NJ, 2020-2023 GPA: 3.7

## Technical Skills

**Programming languages:** Java, C, C++, X86, Web Assembly, Python, R, SQL, HTML, PHP, CSS, JavaScript, TypeScript, MIPS assembly

**Tools and frameworks:** Git, Express, React, MongoDB, MySQL server, Axios, Vite, Chakra UI, GDB

**Operating systems and platforms:** Linux, Windows, macOS, Android, iOS, Virtualbox

**Productivity and collaboration tools:** Microsoft/ Google Office suites, Discord, Slack

## Experience

**Lockheed Martin ATL ACL: Cyber Applied Research Scientist Intern** 5/2023 – Present

- Applied Cyber Research
- C, C++, X86, web browsers(JS and WASM memory management and engines), GDB, Linux, Git, Virtualbox

**Kean University: [SI team leader and instructor](#)(Java 2231)** 1/2022 – Present

- Strengthen student's understanding of object-oriented programming with Java
- Implement collaborative learning techniques that allow the student to make their connections to solve problems
- Provide leadership and mentoring for the other three SI instructors and review their performance.

**Kean University: [Code Samurai tutor remote](#)** 1/2022 – Present

- SQL, PHP, HTML, Java (data structure/object-oriented), Mips assembly, Python, Linux, R

**Five Guys: Assistant GM**, Springfield, NJ 1/2019 - 9/2022

- Managed busy kitchen shifts, prioritizing customer satisfaction, while overseeing inventory, finances, and labor. Top-five managers out of 200 franchised stores.

## Research

**Undergraduate student research at Kean** 12/2021- 4/2022

Presented research '[Evaluating IDEs through the Prism of GenderMag](#)' at Kean's Research Days 2022.  
Conducted in-depth evaluation of [vscodex.com/docs/electron/desktop/using-vscode/](https://vscodex.com/docs/electron/desktop/using-vscode/)'s inclusiveness, working with the Microsoft dev team.

**[Meta Shift Analysis](#) (Riot API, Python, MySQL)**

- Data mining research project using data from RIOT API.
- Hypothesis: A balance change will affect the frequency and win rate of an item/unit/trait in games.
- High-quality dataset sourced from the top 500 US players' matches

## Projects

**[ParKeanLot](#) (2023 HackKean 1<sup>st</sup> prize) (React, TypeScript, Vite, Express, MongoDB, Chakra UI)**

- Responsive web app with Create, Read, and Update database collections
- Conditionally Rendered UI, Form, and HTTP requests

**[Game Hub](#)(React, TypeScript, RAWG API, Chakra UI, Vite)**

- Responsive react app with filtering features

**[Portfolio Website](#) (HTML, CSS, JavaScript, Bootstrap)**

- Responsive portfolio website
- Demo online store with JavaScript, and a contact form

**[Code Squad](#)** Lead full-stack developer (**Mongo DB, Express, React, VITE, TypeScript, Node, git**)

- Full-stack web app and Comprehensive online platform for teaching programming concepts