

Joseph Waldron

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Education

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

Technical Skills

Programming languages: Java, Python, R, SQL, HTML, PHP, CSS, JavaScript, TypeScript MIPS assembly

Tools and frameworks: Git, Express, React, MongoDB, MySQL server, Axios, Vite, Chakra UI, Discord.js, Riot Games API

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

Productivity and collaboration tools: Microsoft Access / Microsoft Office suite, Google Drive / Office suite, Discord, Slack

Hardware: Apple phones/computer repairs, Android repairs, pc building/repairs, soldering, flashing PCBs

Experience

Apex Sim Racing: Hardware Technician 8/2022 – Present

- Flashing and programming PCBs for products
- Assembling products (soldering and testing)
- Troubleshooting potential software and hardware issues
- Testing packing and shipping products
- Designing new products

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 own 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 fast-paced shifts in a busy kitchen, overseeing inventory, finances, and labor to meet goals set by upper management. Prioritized customer satisfaction through personable interactions, resulting in recognition as one of the top five managers in a franchise of over 200 stores.

Research

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

I worked on a paper presented at research days 2022 at Kean. The paper is titled 'Evaluating IDEs through the Prism of GenderMag'. This paper includes an in-depth evaluation of inclusiveness within IDE while working with Microsofts Visual Studio Code. dev team.

Projects

Game Hub(React, TypeScript, RAWG API, Chakra UI, Vite)

- A simple, fun, and responsive react app
- Filter Features
- Responsive design

Portfolio Website (HTML, CSS, JavaScript)

- Used HTML and CSS to create a responsive portfolio site
- Created a demo online store using JavaScript
- Created a contact form where users can send me an email

Code Squad (Mongo DB, Express, React, Node, git)

- Lead full-stack developer
- Created a full-stack web app
- Comprehensive online platform for learning programming concepts

Meta Shift Analysis (Riot API, Python, MySQL)

- Data mining research project using data from RIOT API
- Research hypothesis: A balanced change will affect the frequency of use of an item/unit/trait in games
- Data is sourced from matches played by the top 500 players in the United States, ensuring a high-quality dataset for analysis

Discord bot (Node, Discord.js)

- Discord bot created for my discord server
- Features: Users who want to participate get a special "ReRoll" role
- Once a week a server admin will execute the shuffle roles command to randomly assign pre-determined roles