Joseph Waldron

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github.com/josephWaldron | portfolio-site-delta-seven.vercel.app/

Goals

Seeking a **Software Engineer** position with the aim of leveraging 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 Advanced Concepts Lab: Cyber Applied Research Scientist Intern

5/2023 – Present

- Working as a team on research projects
- Presentation Skills
- Read, understand, and evaluate academic papers
- C, X86, web browsers(JS and WASM memory management and engines), GDB, Linux

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 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 [vscode.dev](#)'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 1ˢᵗ 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