John Harrington

32 Campus Drive

Missoula, MT 59812

[harr1424@pm.me](mailto:harr1424@pm.me)

(406) 304-0797

**Education**

* MS in Computer Science, May 2023 (anticipated) – University of Montana
* B.S.W. in Social Work, December 2016 – University of Montana

**Internships**

* Associate Security Consultant: LMG Security, Missoula, MT. Summer 2021.
* Data Analyst: Crayon, Remote. Summer 2020.

**Skills**

* iOS development using Swift, SwiftUI, Storyboards, Auto Layout, CoreData, and Realm by MongoDB. Experience integrating asynchronous network requests into app UI using DispatchQueue. Familiar with MVVM architecture and best practices. I have published four apps on the [App Store](https://apps.apple.com/us/developer/john-harrington/id1603002572).
* Scalable API development using FastAPI, Amazon Web Services, Google Cloud Platform, Terraform, and Docker.
* Experience working with Swift, Kotlin, Dart, Python, Java, C++, SQL, HTML, CSS, JavaScript and various Linux command line tools since 2019.
* Passion for building software and writing clean code. I am continuously striving to learn new tools and frameworks, as well as improve my abilities with what I already know by working on a number of [personal projects](https://github.com/harr1424). I also have a [website](https://harr1424.github.io/) demonstrating my top projects.

**Appointments**

* Teaching Assistant: University of Montana, Department of Computer Science, Mobile Application Development, Fall 2022
* Teaching Assistant: University of Montana, Department of Computer Science, Introduction to Computer Science, Spring 2022.
* Student Evaluation Committee Member: University of Montana, Department of Computer Science, Fall 2021.
* Teaching Assistant: University of Montana, Department of Computer Science, Introduction to Computer Modeling, Spring 2021.
* Teaching Assistant: University of Montana, Department of Computer Science, Introduction to Computer Modeling, Fall 2020.

**Research**

* Research Assistant: University of Montana, Department of Computer Science, November 2020 to March 2021. The research topic involved the construction of an Agent Based Model to predict COVID19 transmission in a university setting. The article was not published as by the time it had been reviewed, the results were no longer relevant.

**Coursework**

* Independent Study: Mobile Application Development (Android), Spring 2022
* Software Reliability and Testing, Spring 2022
* Cloud Computing, Spring 2022
* Code Optimization in C++, Fall 2021
* Introduction to Machine Learning, Fall 2021
* Database Security, Fall 2021
* Analysis of Algorithms, Spring 2021
* Database Design, Spring 2021
* Data Structures and Algorithms, Fall 2020
* Discrete Mathematics, Fall 2020
* Programming with C++, Spring 2020
* Computer Architecture, Spring 2020
* Advanced Web Programming, Spring 2020
* Integral Calculus, Spring 2020
* Differential Calculus, Fall 2019
* Fundamentals of Computer Science II (Java), Fall 2019
* Fundamentals of Computer Science I (Python), Summer 2019