

# Samuel Karl Imlig

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## SUMMARY

A people-oriented software engineer with a strong focus on building positive relationships and leveraging unique talents to drive team success. Seeking new challenges to further develop skills and expertise.

## EDUCATION

**Bachelor of Science, Computer Science | George Fox University, Newberg OR**

Honors Program | Dean's List | Outstanding Computer Science Student Award | CSIS Student Advisory Board

## TECHNICAL SKILLS

- |          |                           |              |                                   |
|----------|---------------------------|--------------|-----------------------------------|
| • Python | • Scala                   | • CSS        | • PHP                             |
| • C      | • Git                     | • JavaScript | • SQL                             |
| • C++    | • Artificial Intelligence | • TypeScript | • Software Engineering Principles |
| • CUDA   | • Machine Learning        | • NodeJS     | • Windows/Linux/Mac Environments  |
| • Java   | • HTML                    | • React      | • OOP                             |

## EXPERIENCE

**Software Development Intern | Columbus Systems | Tumwater, WA | June 2022 – Jan. 2023**

- Developed a mobile application for iOS and Android that utilized the REST paradigm to interact with a Paradox database.
- Reduced pen and paper tasks by 90%, which significantly increased employee productivity and reduced redundancy.

**Lab Assistant | George Fox University | Newberg, OR | September 2021 – April 2023**

- Assisted and encouraged students to reach their academic goals by teaching them core Computer Science concepts such as data structures, analysis of algorithms, parallel programming paradigms, relational databases, and programming style best practices.
- Consoled students when they fell short of academic goals and collaborated with them to develop a course plan, better study habits and increased career preparedness.

**Senior Capstone | George Fox University | Newberg, OR | August 2022 – April 2023**

- Reduced user-intervention by 75% by adding autonomous-turning and adaptive cruise control to a rover using Python, C, PostgreSQL, artificial intelligence, and computer vision.
- Improved predicted yield by fixing terabytes of incorrectly assigned images contained within a Postgres database using a Hidden Markov machine learning model.

**Client-Server Systems Final Project | George Fox University | Newberg, OR | Jan. 2023 – April 2023**

- Created a Full-Stack desktop application to allow users to login, post blog entries and comment.
- Utilizes a REST API backed by an Apache2 server running on PHP and a Postgres database.
- Displays information to clients using vanilla HTML, CSS, and JavaScript.