




# Samuel Weimer

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**Software Applications Developer** with experience designing appealing and practical user interfaces, application logic, and database architecture that feature robust functionality and customized components. Collaborates cross-functionally to ensure requirements are met and users have positive experiences.

## Skills

- JavaScript
- HTML
- CSS
- Oracle SQL
- Adobe ColdFusion
- Python
- Java
- C/C++
- PHP
- Node
- Vue
- jQuery
- React
- Spring Boot
- Bootstrap
- VS Code
- Git
- Tortoise SVN
- Toad Oracle Client
- Oracle SQL Developer
- Microsoft SQL Server
- Google Cloud Platform
- Software Development Life-Cycle
- Continuous Integration/Continuous Deployment
- Problem Solving
- Critical Thinking
- Time Management
- Agile Software Development
- Cross-functional Collaboration
- Communication

## Education

Binghamton University, Binghamton, NY

December 2021

**Bachelor of Science, B.S.,** Computer Science

## Work Experience

Corning Incorporated, Corning, NY

February 2022 – January 2024

### Software Applications Developer

Created robust software applications with practical user interfaces using Bootstrap and CSS in well-structured HTML pages. Developed efficient backend with JavaScript, ColdFusion, and SQL for behavior and data handling.

- Updated and maintained 100+ existing applications with over 10,000 users to preserve compatibility with newer versions of software and programming languages.
- Refactored metrics reporting pages to reduce load times by over 50% and enhance user experience.
- Collaborated with process engineers to strategically plan a high-impact, multi-user request system for laser cutting projects and a robust API to create and retrieve requests externally from application, engaging with engineers throughout development life cycle to align with evolving requirements.
- Implemented robust functionality for client-side and server-side interactions with custom components for navigation menus, typeaheads, and interactive tables using Vue.js 2 and jQuery 3 frameworks along with AJAX requests and ColdFusion 21 to allow consistent and portable features in over 100 applications.
- Handled data validation, entry, and management through custom logic, existing validation engines, and secure CRUD operations written with ColdFusion 21 and Oracle SQL.

CS Recitations, Natick, MA

September 2021 – Present

### Programming Tutor

Tutor 20+ middle through high school students in Python, Java, JavaScript, and HTML.

- Teach core concepts of programming languages including object-oriented programming, inheritance, polymorphism, data encapsulation, and abstraction.
- Adapt lesson plans to tailor toward each student’s individual levels.
- Design curricula to ready students for ACSL contests, AP courses, exams, and programming competitions.

Weld WISE, Rochester, NY

January 2024 – Present

### Software Application Developer

Develop a testing app hosted on a custom web server created from a repurposed desktop PC.

- Implement server setup using Cloudflare, Docker, Nginx Proxy Manager, and Java Spring Boot, showcasing technical competency in server configuration and ability to quickly learn new software.
- Create Python script utilizing Cloudflare API to dynamically update DNS table records when IP changes.
- Design React web application for testing users on welding and manufacturing knowledge.
- Integrate database with Microsoft SQL Server for managing user accounts and generating test questions.

## Project Experience

Corning Incorporated, Corning, NY

June 2022 – January 2024

### Request System Application

Worked with team of process engineers to plan and develop a high-impact request system for a laser cutting and processing department, serving hundreds of users.

- Engineered and implemented advanced features, including process step integration, request copying, request search table, user permissions for editing/viewing requests, and a robust API for creating and retrieving requests externally from the application.
- Proactively engaged with process engineers throughout the development life cycle, ensuring continuous alignment with evolving project requirements.