

SALVATORE LA MARCA

SOFT W A R E D E V E L O P E R

WORK EXPERIENCE

Database Support Intern

Sekisui Kydex, Bloomsburg, PA | May 2025 – Jul 2025

- Designed new layouts and database relationships in FileMaker system
- Reduced redundant scripts through the creation of a single generic script solution
- Utilized SQL to pull data from FileMaker into Power BI
- Programmed a dynamic menu using HTML, CSS, JavaScript, and FileMaker scripting that replaces companies multi menu issues, improving security and data entry
- Created Power BI Dashboards to analyze color match and masterbatch data
- Wrote informational documents for current staff and future interns to understand project structures and design choices

Software Developer

Software Consulting Services, Remote | Jan 2025 – May 2025

- Learned Blender and modeled assets for virtual reality content viewer project
- Developed foundation for virtual reality project using TypeScript and Three.js
- Recompiled and updated machine learning video image transformation research project for potential company use using Python and C++

Software Development Intern

Software Consulting Services, Bethlehem, PA | May 2024 – Aug 2024

- Designed new 3D data visualization, a city with cars driving around representing data points using Blender, Typescript, and Three.js
- Programmed and integrated Llama3 AI into SCS's Scoop7 article editor to suggest headlines, expand / cut down, or summarize articles using C++ and Qt Creator
- Developed 2D text timeseries themes for Node Editor using Typescript, CSS, and JS
- Worked on virtual reality globe product used for server status monitoring

PROJECTS

Roomie: *JavaScript, Vite + React, CSS, Java, AWS, MySQL*

- Roommate matching web app designed for an easy way to meet compatible potential roommates with a second phase for dorm / apartment management when matched
- Software Engineering Capstone project made with four other developers using the Agile software development methodology
- Acted as a developer for five two-week sprints and a team lead for one sprint

Read Now: *TypeScript, Vite + React, CSS, Supabase Postgres*

- Reading tracker web app allowing users to create / delete accounts, add books, time reading sessions, and analyze reading habits / statistics
- Honors Capstone project with information poster presented at honors banquet

Automobile Image Classification: *Python, Jupyter Notebooks, Tensor Flow*

- Image classification showcasing understanding of machine learning topics
- A trained Random Forest Model used to analyze given images to determine if it is an automobile

Volunteer Manager Android App: *Android App Studio, Java, XML, Firebase*

- Prototype Android app for administrators and volunteers to access upcoming volunteer opportunities for The Young Samaritans volunteer group (Danville, PA)

WRLD Shell: *C, Debian Linux*

- A custom terminal that can perform all basic UNIX commands with a single pipe and file redirection

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EDUCATION

Master of Science, Information Technology

Commonwealth University, Bloomsburg | 2026

Bachelor of Science, Computer Science

Bachelor of Arts, Languages & Cultures

Minors: Mathematics, Latin & Caribbean Studies

Commonwealth University, Bloomsburg | 2025

Study Abroad, Spanish Language & Culture

Universitat Autònoma de Barcelona | Summer 2023

SKILLS

- | | |
|--------------|----------------|
| □ TypeScript | □ Power BI |
| □ HTML / CSS | □ Blender |
| □ React | □ C++ |
| □ Java | □ C |
| □ SQL | □ Git / GitHub |
| □ Python | □ Spanish |

CERTIFICATIONS & SCHOLARSHIPS

Google IT Automation with Python Specialization

Google | 2025

Python Foundations for Data Analysis

Maven Analytics | 2025

Microsoft Power BI Desktop

Maven Analytics | 2025

Board of Governors Scholarship (Tuition Waiver)

Commonwealth University | 2021 - 2025

Gilman Scholarship (Study Abroad Scholarship)

U.S. Department of State | 2023

Professional Experience Grant

Commonwealth University | 2023

ORGANIZATIONS

Global Student Society: Treasurer

Commonwealth University | 2025 - 2026

Association of Computing Machinery: Treasurer

Commonwealth University | 2024 - 2025

International Cultural Liaison: Mentor

Commonwealth University | 2023 - 2025

Honors College: Member

Commonwealth University | 2021 - 2025

Community Helpers: Member

Commonwealth University | 2021 - 2023