

C O R E Y A L I X

SENIOR SOFTWARE ENGINEER

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<https://ca0v.us/about>

CAREER OBJECTIVE

To work with reactive frameworks and modern web technologies to build applications that are easy to use and maintain.

WORK EXPERIENCE

Infor Global Solutions 1999 - July 2022

Senior Software Engineer

- Created the geospatial elements of *Infor Public Sector* using ESRI and open source components.
- Created the map components that integrate *Infor Public Sector* products with geospatial services using ESRI JSAPI and OpenLayers libraries
- Created the accompanying backend web services
- Contributed to the creation of a bi-directional ETL between our EAM and GIS systems

Bumwraps (VT) 1993-1999

General Manager

- Built accounting platform (General Ledger, Check Register, Accounts Payable, Accounts Receivable, Order Entry, Inventory, Payroll)
- Built CtPos (point-of-sale) app for two retail sites
- Built embroidery CAD apps for digitizing and namedrops
- Leveraged these apps to manage \$5M business
- Taught computer science at *United Christian Academy* (Newport, VT), coached soccer

EDUCATION

Carnegie Mellon University

B.S. Mathematics and Computer Science

B.S. Computer Engineering

RECENT PROJECTS

Print Server

January 2023

Resolved issue of family devices not able to print

Collage Editor

December 2022

Built just.be.collage to document Cool Bus 2022 road trip

Gym Gains

May 2022

Built Meathead to track my gym gains.

Headache Game

March 2022

Built Headache with my younger son, who loves playing Cuphead and wanted to make a copy for himself. We cloned the game controller behavior and the spirit of the game.

Invoice Builder

December 2021

Built Little Light Show to give my oldest son a professional appearance as he started his new Christmas light installation business.

OUTSIDE INTERESTS

mountain biking and skiing, hiking and road biking, soccer, climbing, yoga, ultimate frisbee, making games, writing code

SKILL SUMMARY

- **Programming Languages:** C#, Python, Javascript, Typescript, HTML, CSS, SQL, Go, Java, Delphi, VB.NET, Assembly, C, C++, Pascal, Lisp, Prolog, Scheme, Rust, F#, Paradox Bash, Powershell
- **Platforms:** dotnet 7, Node, Svelte, Vue, Angular, React, Netlify, FaunaDB, Digital Ocean, ArcGIS Enterprise, MapServer, GeoServer
- **Tools:** Copilot, Polypane, Postman, VSCode, Visual Studio, PicoCSS, dotnet, git, gh, github, npm, pip, iis, nginx