Carter Susi

Software Engineer

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Skills

- Languages: C/C++ | Cuda(C/C++) | Python | Go | TypeScript | Javascript | Java | Rust | Lua
- Web: React | Svelte | Gin | Flask | Dash | WebSockets | Rest API's | CRUD API's | Vercel Edge Functions | SQL | Redis
- ML: Cuda |Tensorflow | Pytorch | Scikit | NumPy | SciPy | Jupyter | Colab | Pgvector

Education

Bachelor of Science	University of Central Florida	Orlando, FL	**01/21 - 12/24**

- Major in Mathematics and Computer Science

Associate of Arts	SeaCoast Collegiate HS	Seaside, FL	**08/13 - 05/17**

- Major in Engineering Technology

Experience

Freelance Developer	Amy & Catie Photography	Santa Rosa Beach, FL	**08/23 - Current**

- Moving a wordpress website to a Vercel hosted Web App using Nextjs, Redis, and Vercel Edge Functions.
- Implementing a dynamic index for blog posts and portfolio images.
- Creating an account system to message clients, add favorited images, and purchase products.
- Increase lighthouse and SEO scores to outperform all competitors in a local market.

Owner	Primitive Beach Services	Santa Rosa Beach, FL	**01/20 - 01/23**

- Owner of a local business providing beach rental equipment to tourists.
- Led and worked alongside a team of 3-5 employees. Responsible for their pay, schedueling, and well-being.
- Creating a business model to allocate revenue efficiently while staying competitive in the local market.
- Using python for data analysis on advertisements and web statistics to achieve the highest possible success rate on targeted ads.

Manager	Beach Valet	Santa Rosa Beach, FL	**02/19 - 01/20**

- Led and worked alongside a team of 15-20 employees.
- Responsible for schedueling, training, and maintaining company standards.

Tutor	The Tutoring Center	Sandestin, FL	**08/18 - 04/19**

- Part-time Mathematics and SAT prep tutor.

Part-Time Worker	MooLaLa	Sandestin, FL	**08/16 - 02/19**

- Part-time worker at an ice cream store.

Projects

Web App	IrQuantum	**04/23 - Current**

- Interactive web app that provides a graphical interface for non-technical traders to use financial machine learning models.
- Front-end is built on React. Communicates with a back-end Go server using WebSockets, CRUD, and Rest API's. Models run on python and C++ using grpc and CGo.

Animated Video	Anime Short-Film	**10/22 - 12/22**

- Working with Full Sail students to train and fine tune open sources stable diffusion models, in order to create animated scenes from recorded live action film.

Amy & Catie Photography	Beach Valet	The Tutoring Center	MooLaLa
Catie	Owner	Larry Greene	Owner	Julie	Owner	Josh Schmidt	GM
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