Cameron Jolly

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Github | Linkedin

EDUCATION

Utah Valley University   **May 2024 - present**
B.S., Full Stack Web Development   Orem, Utah
- Courses focused on object-oriented programming, algorithmic-based coding solutions, and data structures.
- Developed Smooth Particle Hydrodynamics (SPH) fluid simulations using Cuda and C++.
- Created a responsive personal portfolio utilizing modern tools including React and Vite.

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, CUDA, HTML, CSS, TypeScript, JavaScript.
- **Frameworks & Libraries:** React, NodeJS, TailwindCSS, PyTorch, NumPy, Pandas.
- **Additional Skills:** Analytics, Microsoft Excel, Data Processing.

PROJECTS

Development Portfolio | *React, Vite, TypeScript*
- Utilized Vite and React to design a dynamic and reactive portfolio website with smooth animations.
- Built a particle network display as a background for the site using the HTML canvas.
- Developed and implemented custom input validation for a contact form.

Photography Portfolio | *HTML, CSS, JavaScript*
- Designed and implemented a modern and responsive static portfolio website for display of photography
- Created custom layout, navigation, and styling for desktop and mobile using semantic HTML/CSS

SPH Fluid Simulation | *GPU Processing, CUDA, C++*
- Designed an SPH simulation pipeline using CUDA and C++ for low level optimizations.
- Implemented efficient parallelized neighbor-search and pressure/density calculation algorithms to simulate hundreds of thousands of particles in real time.

Budgeting App | *Full-Stack Development, Python, SQLite,*
- Created a full stack budgeting app using Python and SQLite for data encryption, storage, and visualization.
- Enabled users to input income/expenses, categorize transactions, and view dynamic spending charts.

WORK EXPERIENCE

Cameron Jolly Photography   **Oct. 2023 – present**
Owner, multimedia editor and photographer   Orem, Utah
- Managed multiple accounts across industries to create dynamic marketing materials for several clients.
- Provided photo and video products for real-estate agents, increasing property value and buyer turnaround.
- Increased views, value, and sell turnaround by creating MLS ready photos and videos for real-estate agents.
- Developed social media infographics and videos for clients in real estate, law and construction.

Conservice   **Oct. 2020 – Jan. 2025**
Billing Manager, previously E-Bill Maintenance Specialist   Remote
- Managed a diverse portfolio of 70 properties to ensure accurate and timely delivery of utility bills to clients.
- Utilized Excel and Python to automate billing processes and improve operational efficiency.
- Monitored and resolved any discrepancies in billing and payment processing for hundreds of properties.