

## **EDUCATION**

### **College of Charleston**

Bachelor of the Arts – *Computer Science/Computing in the Arts*

December 2014

Charleston, SC

## **SELECTED TECHNICAL SKILLS**

**Languages:** Python, HTML, CSS/Sass, JavaScript/jQuery/Node.js, PowerShell, C#, MathML

**Software:** Firefox & Chrome (developer tools for troubleshooting/analyzing source code), Adobe CC (Photoshop, Illustrator, InDesign), MS Office (Word, Excel, PowerPoint and underlying XML), Sublime Text, Git, CMD/Terminal

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## **EXPERIENCE**

### **Front End Designer/Developer**

*Hawkes Learning*

January 2019 – Present

Mt. Pleasant, SC

- Development of software to standardize and assist in the process of creating assorted printed media (student & teacher's edition textbooks, guided notebooks, etc.) from existing HTML (utilizing Python, Node.js, Puppeteer, MathJax, and more)
- Development of software to standardize and assist in the process of creating instructor PowerPoints from existing HTML (utilizing Python, PowerShell, and more)
- Development of software to automate repetitive processes (MathType equation batch processing, etc.) in the creation of printed media (utilizing Python, PowerShell, C#, XSLT, and more)
- Maintenance of existing HTML/ASPX/CS website detailing available products and instructor resources
- Development of new CSS styles for the student facing web product and maintenance of existing styles
- Project/backlog management for website and content transformation work
- Code reviews & pull request approval for Content Operations team's software solutions
- Daily monitoring of the content deployment database, informing content teams of actions awaiting QC, warning of erroneous deployment actions, and informing deployment teams of actions ready to be executed

### **Digital Marketing Manager**

*AlphaGraphics Charleston*

March 2017 – Present

Charleston, SC

- Developed, managed, and tracked progress of a multi-tiered SEO strategy to target potential customers.
- Increased website's unique visitors by ~3400% in 1 year through organic SEO tactics.
- Increased monthly online quote request rate from 0 to over 60 (sometimes as high as 90) per month.
- Modified and maintained WordPress website and Adobe AEM website.
- Built XMPie uStores and dynamic print products, allowing businesses to order customized supplies.
- Upgraded, maintained, and troubleshoot office network, file server, office PCs & printers.
- Utilized Adobe Illustrator, Photoshop, and InDesign to create digital artwork and proofs for hundreds of customer's projects (vehicle wraps, spot graphics, building signs, window & wall graphics, banners, presorted bulk mail, stickers & decals, business cards, envelopes, postcards, folded cards, and much more)

### **Founder/Technician/Developer**

*KenComputes LLC*

January 2016 – March 2017

Charleston, SC

- Troubleshoot and repaired home and office PCs (Windows and Macs) and Wi-Fi networks for up to 10 clients per month, improved the speed and reliability of 50+ clients' PCs and Wi-Fi networks.
- Consulted with clients and made recommendations for hardware and software to best fit their needs and budgets; helped save some clients up to \$2,500 dollars on hardware.

## **SELECTED CONTRACTS:**

*The Gregory Company, Inc.*

Charleston, SC

- Redesigned and rebuilt an informational website using HTML5 and CSS3 for a small family-owned rental company, thereby assisting the owner in filling all student housing and office spaces.

*Asymmetric LLC*

Charleston, SC

- Secured a hacked web server for a former Charleston based small military intelligence firm and removed the domain from Google's malicious site cache.
- Redesigned and rebuilt an informational website using the latest version of WordPress, patched common WordPress vulnerabilities to secure the site from future attacks.

**Research Assistant/Teaching Assistant**

August 2011 – December 2014

*College of Charleston, Computing in the Arts Department*

Charleston, SC

- Designed and developed academic jythonMusic code libraries in collaboration with CITA department head and graduate research assistant; these libraries are now used as the foundation of many of the College of Charleston's Computing in the Arts courses.
- Co-edited the textbook *Making Music with Computers: Creative Programming in Python*, which is now used in several Computing in the Arts courses.
- Reviewed and graded hundreds of algorithmic musical compositions coded in Python for 2 classes with roughly 30 students per section; lectured on the use of jythonMusic libraries for musical composition and 2d game design; tutored students struggling with jythonMusic libraries, Python and programming concepts.