MARK J WILLIAMS
SOFTWARE DEVELOPER

👤 ABOUT

I like solving hard problems and my favorite method of doing so is with computers. I seek a work environment supportive of code reviews, automated testing and code maintenance strategies. I am excited to learn languages, libraries and best practices to solve problems in interesting ways. I started my career as video editor but found that my coding solutions brought so much value to the company I worked for that I have now been working full time as a software developer for over a decade. My work has been mostly self directed at a small business or remotely within a larger team and 100% remote since November 2018.

💼 WORK EXPERIENCE

UnityWorks Media April 2017 – March 2020 🌐 http://unityworksmedia.com

Software Developer

Create dynamic video ads for car dealerships displaying actual inventory applicable to current incentives, autonomously regenerating ads when inventory sells. Work with project managers to meet customers needs creating video web apps. Leed my team migrating git servers and leveraging git more effectively. Update php and javascript web apps, adding requested features, QA tests and documentation. Parallelize image scraping scripts, reducing run time from 4+ hours to 15 minutes. Increase efficiency and add visual flair to ffmpeg video generating scripts reducing run time by 75%. Neutralize a ddos attack that killed google maps api quotas. Create email notification, integrity checks and previews for automated client data delivery.

◀ See my work: autodatasolutions.com/video-dynamic-inventory-video-ads-by-unityworks

Astound Video July 2010 – March 2017 🌐 http://astoundvideo.com

Senior Developer

Develop workflows and software to manage customers precious media assets for digitization. Create web app to accomplish point of sale order taking and checkout, coupon system, credit card processing, sales reporting with visualizations, job production tracking, job location tracking and employee time card tracking. Create desktop app for linux video capture system, select hardware to scale up to 24 simultaneous video capture streams. Select onsight server hardware and AWS cloud infrastructure to automate video encoding, dvd authoring, dvd burning, dvd disc face and case insert printing, slide image cropping, film trimming. Maintain MySQL database and restore backups. Act as IT help desk for entire company. Supervise 2 other IT employees.

Video Editor & Motion Graphics Artist April 2005 – September 2019

Work remote and create dynamic graphic title sequences for TV show pitch reels. This position has been temporary full-time, part time and off hours work.

◀ See my work: vimeo.com/193377786 • imdb.com/name/nm1950021

Astound Video September 2006 – July 2010 🌐 http://unityworksmedia.com

Video Guru

Video Editing with customers. Create motion graphics. Take orders and process payments with customers at retail counter. Transfer audio and video to digital formats.

◎ CONTACT

📍 **Remote, USA (UTC-06:00 to UTC-08:00)**

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🗒 **https://stackoverflow.com/story/markjwill**

🏛 EDUCATION

2006 2009 **University of Minnesota**
🎓 Bachelor of Arts

Cinema Studies and Philosophy

☰ SKILLS

Automation

Shell Scripting   API   Git   python   Machine Learning   Ansible   Linux   MacOS   Java   Objective-C   regex   AWS

Video

After Effects   FFMPEG   Dataclay Templater   Video Copilot Element 3D   Premiere

Full Stack

MySQL   PHP   HTML   CSS   Javascript

👥 VOLUNTEER

Gish
August 2016
🌐 https://www.gish.com/charity-impact/

Created an iPhone app that dialed phone numbers by listening to a rotary phone as per a charity scavenger hunt competition.

◀ See it in action: youtube.com/watch?v=cGknUv_HJkc