Joshua Lyons

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Career Overview

Motivated and ambitious tech-savvy individual specializing in multiple high demand coding languages and program design. Experienced, focused, and committed to continuous skill development.

Education and Training

BS Computer Science, Emphasis Animation, Minor Digital Humanities – April 2018
Brigham Young University – Provo, UT

Work Experience

BYU Broadcasting – Provo, UT
Special Projects Broadcast Engineer – January 2015 to Present
Engineered special programming projects in an autonomous work environment, saving the organization tens of thousands of dollars per year.

BYU Prelaw Review – Provo, UT
Prelaw Author/Board Member – August 2016 to April 2018
Researched and published in BYU Prelaw Review Journal. Recruited to supervisory position of the board to assist in the continuing administration of the Prelaw Review program.

Fill In The Gap – Provo, UT
Executive Producer/Webmaster – August 2016 to Present
Designed, constructed, and maintained website and graphic design promotional materials for nonprofit specializing in technology-mediated education.

Accomplishments

Xfer: File Transfer System
- Created a robust file transfer system to monitor drop folders, maximize transfer speeds, and confirm accuracy for all media files at BYU Broadcasting. The system copied all media to an offsite backup and was also responsible for staging media files required for on-air broadcasting. The system also included an intuitive management webpage.

DNSFox: DNS Sync Solution
- Developed an integration between the open source products phpIPAM/PowerDNS and DNSMasq for more efficient and effective management of DNS records at BYU Broadcasting. The system including a manager that noticed changes and updated agents on various domain name servers. A management webpage was also created.

Qualifications

- Strong collaborative skills
- Proficient in many languages and frameworks (i.e. Python, C++/C#, Java, jQuery, PHP, NodeJS, SQL)
- Excellent problem solving skills
- Extensive programming abilities and experience
- Significant graphic design capabilites
- Fluent in Microsoft Office Suite
- Efficient in integrating software and hardware
- Incorporates principles of behavioral economics, data science, and machine learning in all projects