TYLER FINK
SOFTWARE/WEB DEVELOPER

Programmer/Web Developer *September 2015 - Now*
2014
tfink2019@gmail.com
(561) 319-6751

Objective

Utilize my math and Computer Science knowledge to tackle challenges and find solutions to problems while furthering my own knowledge and ability.

Education

University of Florida, Gainesville, FL

Attended: *August 2010 – April 2015* * Semester Classes * Computer Architecture/Assembly Programming (MIPS) * Data Structures (C++) * Python * Android * SQL/NoSQL * Object Oriented Programming, Design Patterns * HTML5/CSS/PHP

Suncoast High School, Riviera Beach, FL

Dates attended: *2006 – 2010* Graduation Date: May 2010 * Taken Calculus 1-3, Matrix Theory, and Differential Equations * 4 years of Computer Science classes * 2 years Java, 2 years C/C++ * 3 years on Programming Team: 1st place 2 years, 2nd place 1 year

Work Experience

EdutainmentLIVE! (ITPro.tv)

Responsibilities

Largely working at own discretion to write new features for api and website or other services.

Interact with coworkers in other departments to determine priorities/details of new features.

Projects

Sails Main API *(node-based api similar to Rails)*

Mainly mongo-based database	Built custom redis 'adapter' for quickly retrieving information for specific courses/episode/user combinations.	Expanded api into many new avenues and built upon main api

Angular Frontend

Main website features are in Angular

Created:	
Subtitles below video with searching/tracking	Open private test session on external website via API interaction User presses `Start Test` and a new page opens up
Parse srt/vtt file	Can click parts to goto time in video

"Producer" Website

Backdoor site for employees only	Added many custom API fetch/update/create pages	Built site metrics page to create graph/table various metrics on our site using Chart.js

Ruby Pdf Creator

Simple 'certificate' creator	First time using Ruby	Built in short timeframe, worked alone

Process:

Receives http post request from main api with information about certificate	Responds immediately with a generated filename and 1 hour expiration time	Queues task
		Receives get requests for filename periodically from api, responds with expiration/not-finished or a generated AWS url with expiration.

Productron

Standalone Desktop App running on Github's Electron	Used by switchers to handle starting/stopping of recording/streaming	Interacts with main api and individual Epiphan Pearl devices
Takes information from each	Automatically rename and move new	Search past sessions/recordings View and

session/recording and stores it along with the file name/location	recordings from an incoming folder to name/location	split outline of hosts when recordings break off into multiple episodes (for searching)

Tonerite Inc.

Responsibilities

Rebuilt website using a newer CMS and transferred data from the old website to the new one.	Fixed bugs and graphical glitches from the old website while the new website was under construction.