Full-stack developer, focusing on front-end MVC and data visualization

# Summary

Javascript: D3.js, Ember.js, Backbone.js, jQuery

CSS: SASS, Compass, Susy, Twitter Bootstrap

PHP: Symfony, Silex

MySQL

Sys administration

Adobe: Illustrator, After Effects, Photoshop

Programmer, system admin Intex Solutions, Needham, MA September 2012 - Present

# work

# experience

Full-stack design and development of custom internal web applications

* Pioneered and created a wiki used to share company knowledge and documentation (symfony, mysql)
* Built data visualizations to monitor fileserver load, web server speeds, data processing and more (d3, backbone, jquery, mysql)
* Created client surveys and displayed the results in a dynamic report (d3, jquery, mysql)
* Created a site to organize client contracts, reconcile data inconsistencies, and summarize monthly financial data (symfony, ember, d3, mysql)
* Built a reporting site to show customized dashboards of historical data processing rates, JIRA development tickets and more (d3, ember, mysql)
* Created a system used company-wide to guide development of main product (jquery, json api, perl)

Development, maintenance, and scheduling of Perl scripts for automation and notification

* Monitored web server and database server performance and integrity, internal data processing, and client application use and bottlenecks
* Alerted team to errors in data processing and other critical operations
* Automated client emails in response to triggers, including custom searches and expiring licenses
* Scheduled nightly downloads from various third-party data providers
* Automated the maintenance of modules, configuration settings, and other files across internal servers

Maintenance of internal file, database, and web server infrastructure

* Designed, managed and optimized MySQL databases used internally and externally
* Maintained complex database arrangement with multiple levels of redundancy, slaving and backup
* Various tasks on Linux web servers, including installing and updating PHP/Perl source and modules, and maintaining Apache

Analyst Cornerstone Research, Boston, MA January 2012 - August 2012

* Supported companies in litigation involving complex financial and economic issues
* Wrote programs to import, manipulate and display queried data using SAS / MySQL
* Created VBA macro for Excel that incorporated JavaScript and HTML to automatically import PHP-requested data from a website to a spreadsheet
* Created a dynamic, interactive Excel worksheet using VBA to automate a routine data request
* Created a VBA macro for Excel to automate standard chart formatting
* Co-formed ‘Innovation Committee’ to organize and maintain a firm-wide repository of useful macros, code snippets and functions
* Drafted and edited expert reports used in corporate litigation

Co-Founder/CEO Streable LLC, Boulder, CO June 2011 - September 2011

# entrepreneurial

# experience

* Raised $7,000 for preliminary development of an innovative online commenting system
* Created a recruiting video successfully used to hire two software developers
* Wrote a business plan to guide company

Co-Founder/CEO Gator Tutoring LLC, Gainesville, FL June 2008 - May 2010

* Formed online tutoring company serving University of Florida business students
* Learned Adobe After Effects, Illustrator and Photoshop to enhance quality of tutoring content
* Earned over $20,000 in revenue from sale of online products
* Developed, produced and sold over 250 videos and hundreds of pages of notes for six classes
* Approached by economics professor to use company’s written materials in class
* Pioneered innovative low-cost software technique to produce videos more efficiently

Boston College Chestnut Hill, MA December 2011

# education

M.A. in Economics

* GPA 3.75/4.0, graduate stipend, research assistantship

University of Florida Gainesville, FL May 2009

B.S. in Business Administration, Finance

* GPA 3.90/4.0, Magna Cum Laude, Minor in Chinese, Dean’s List, President’s List

Public speaking, teaching

# OtheR

* “Ember and D3: Building a dimple dashboard”
  + Boston D3 Meetup. Cambridge Innovation Center, Boston, MA. September 2013.
  + Boston Ember Meetup. DockYard, Boston, MA. August 2013.
* Taught live GRE/GMAT prep courses through Kaplan
* Extensive TA and tutoring experience from undergraduate/graduate school, Gator Tutoring

Design

* Adobe Illustrator, After Effects, Photoshop