Thomas Crossland

4301 N Henderson Rd Apt #308
Arlington, VA 22203
703-895-9568
tomxland@gmail.com

PROFESSIONAL EXPERIENCE

Counterpoint Consulting – Vienna, VA   Aug 2013-Present
Associate Consultant

- *Lead Developer, Region of Peel/IQBG – Funds Management System (Apr 2015-Present)*
  Led team in full stack development of web-based business application using Javascript, jQuery, HTML, CSS, and Bootstrap with OpenText Process Platform/Cordys Inbox. Created back-end workflow and webservices using Process Platform, Microsoft SQL Server, and Java. Configured authentication flow for single sign on across OpenText products using OpenText Directory Services (OTDS) and Process Platform. Integrated with OpenText Content Server using Java and SOAP webservice calls. Interfaced directly with clients and distributed responsibilities to team members. Deployed application to the client's production servers. Provided support and patch deployments for system in production.
- *Developer, World Bank Group – Vendor Management System (Oct 2013-Apr 2015)*
  Developed web-based business application using Javascript, jQuery, HTML, CSS, and Bootstrap with OpenText/Cordys Inbox. Constructed back-end processes and webservices using OpenText/Cordys BPMS, Oracle SQL, and Java. Primary designer for user interfaces. Integrated application with SAP enterprise software and webservices. Wrote java utility to perform Apache Lucene search on records. Deployed application to cleant's production servers.
- *Counterpoint Training Program (Mar 2014-Present)*
  Led company's training program for recent hires focusing on SQL, Java, Javascript, jQuery, HTML, CSS, and Process Platform. Trained 28 employees over the course of two and a half years.
- *Other projects: Developer, World Bank Group – eTendering; Developer, World Bank Group - Capital Markets Operations (CMO) Demo; Developer, Office of Space Launch - OSL Process Unification System*

Indie Film Minute – Charlottesville, VA   July 2015-Present
Freelance Web Developer

- Redesigned company's website using MVC framework. Designed media-first and mobile-responsive templates. Created content management system for publishing recurring blogs and movie reviews. Developed complex archive searches and media-first home page. Written using Django, Python, Postgresql, HTML5, CSS, and Google Analytics. Deployed using Heroku Platform-as-a-Service

Progeny Systems – Manassas, VA   Summer 2010, 2011, 2012
Software Engineer Intern

- Developed face detection, vehicle detection, silhouette generation, and digital data collection applications for US Army and Navy using C++, Java, Python, and PHP in Windows and Linux.

TECHNICAL SKILLS

- **Programming Languages:** Java, Javascript, Python, C++, PHP
- **Applications and Tools:** OpenText Process Platform/Cordys BPMS, jQuery, HTML, CSS, Bootstrap, Apache Commons Library, OpenText Directory Services, OpenText Content Server, Django, Adobe Photoshop, Amazon Simple Storage Service, Google Analytics
- **Databases:** Oracle, Microsoft SQL Server, MySQL, Postgresql
- **Operating Systems:** Windows 7/8/10, Max OS, Linux

EDUCATION

University of Virginia – Charlottesville, VA   Aug 2009-May 2013
School of Engineering and Applied Sciences, B.S. Computer Science with Highest Distinction
GPA – 3.96, Major GPA – 3.98

SCHOOL PROJECTS

- **Service Learning Practicum** – Team project developing MVC web-based application for Habitat for Humanity of Charlottesville using CakePHP, HTML, JavaScript, and CSS
- **Web and Mobile Systems** – Team project developing mobile asynchronous scavenger hunt game for Android platform
- **Computer Graphics** – Developed image processing program, ray tracer, and OpenGL renderer in C++
- **Computer Vision** – Implemented canny edge detector, corner detector, face detector, optical flow of features in video, stereo-based 3D surface reconstruction, and Poisson seamless image blending in MATLAB
- **Digital Animation** – Created digitally animated films focusing on 3D rendering using Maya and Final Cut Pro

see more at *xland16.github.io*