THOMAS
CROSSLAND

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PROFESSIONAL EXPERIENCE

Counterpoint Consulting – Vienna, VA   August 2013 – Present
Associate Consultant

- ***Developer, World Bank Group - Vendor Management System (VMS).*** Developed and deployed web application for the World Bank Group's vendor management business process. Primary designer for custom front-end user interfaces. Built front-end application using Javascript, jQuery, HTML, CSS, and Bootstrap with OpenText/Cordys Inbox. Constructed back-end processes using OpenText/Cordys BPMS, Oracle SQL, and Java. Integrated application with World Bank Group's SAP enterprise software to streamline business operations. Deployed application to World Bank Group's Production servers. Implemented multiple major and minor enhancements, and packaged and deployed these fixes to Production.
- ***Developer, World Bank Group - eTendering.*** Implemented multiple major and minor enhancements to the existing eProcurement software solution using OpenText/Cordys. Troubleshooted, fixed, and tested bugs logged in the Ticket Management system. Worked with the deployment resource to package and deploy these fixes to Production.
- ***Developer, World Bank Group - Capital Markets Operations (CMO) Demo.*** Developed web application for the World Bank Group's Capital Markets Operations business process. Primary designer for custom front-end user interfaces. Built front-end application using Javascript, jQuery, HTML, CSS, and Bootstrap with OpenText/Cordys Inbox. Completed in intensive three-day development period.

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

- Developed Face Detection, Vehicle Detection, Silhouette Generation, Digital Data Collection, Graphical User Interface applications for United States Army and Navy
- Built front-end and back-end using C++, Java, Python, and PHP in Windows and Linux

EDUCATION

University of Virginia – Charlottesville, VA   Aug. 2009-Present
School of Engineering and Applied Sciences, Bachelor of Science in Computer Science with Highest Distinction
GPA – 3.96, Major GPA – 3.98
Forest Park Senior High School – Woodbridge, VA   Sept. 2005-June 2009
Information Technology Specialty Program, Advanced Studies Diploma
GPA – 4.609 (Weighted), Class Rank: #1

TECHNICAL SKILLS

- **Programming Languages:** Java, Javascript, C++, Python, PHP
- **Applications and Tools:** OpenText/Cordys BPMS, jQuery, HTML, CSS, Bootstrap, Apache Commons Library, Adobe Photoshop, Final Cut Pro, Autodesk Maya
- **Databases:** Oracle, Microsoft SQL Server
- **Operating Systems:** Windows 7/8, Max OS, Linux

SCHOOL PROJECTS

Habitat for Humanity House Finder and Database   Fall 2012-Present
Multi-person project to develop database-centered web and mobile applications with Habitat for Humanity of Charlottesville using CakePHP, HTML, JavaScript, CSS, and Bootstrap Framework
Appearance Models   Spring 2012
Graduate level seminar; Implemented modern techniques for modeling diffuse fluorescence in ray tracer in C++
Web and Mobile Systems   Fall 2012
Multi-person project to develop mobile asynchronous scavenger hunt game for Android platform
Computer Vision   Spring 2011
Implementation of canny edge detection, corner detection, face detector, optical flow of features in video, stereo-based 3D surface reconstruction, and Poisson seamless image blending in MATLAB
Computer Graphics   Fall 2011
Creation of image processing program, ray tracer, and renderer with OpenGL in C++
Digital Animation   Fall 2012
Creation of digitally animated films focusing on 3D rendering and storytelling using Maya and Final Cut Pro

HONORS AND AWARDS

Harrison Cup Debate Winner, Representing the Washington Literary Society and Debating Union   2012
Dean's List   Fall 2009-Spring 2011, Fall 2012
Intermediate Honors, School of Engineering and Applied Sciences   2011
Certified by Oracle for the Successful Completion of the Introduction to 9i: SQL Certification Exam   2009
Forest Park Information Technology Specialty Program (Computer Science Concentration)   2005-2009
Virginia's Governor's School for Math, Science, and Technology (Game Programming in C++)   2008
Representative in the American Computer Science League National All-Star Competition   2008

OTHER
Avid musician, amateur filmmaker and editor, tennis enthusiast, comedy writer

more info at *http://xland16.github.io*