Krystal Folkes

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EDUCATION

University of Central Florida Orlando, FL
Bachelors of Science Computer Engineering (BSCE) Fall 2016
Minors: Business Administration, Information Technology
Relevant Coursework: CS II (Data Structures and Algorithms), Database Concepts (Access/SQL), Operating Systems (Unix/Linux, Windows, OS), Security in Computing (Encryption), Process for Object Oriented Software Development (Agile)

TECHNICAL SKILLS

Software Languages: Java, HTML5, CSS, C, JavaScript | 5+ years   JQuery, C++, Python, SQL, PHP, C# | 1-3 years

Software Applications: Eclipse, NetBeans, PyCharm, Android Studio, Smart Bear-Test Complete, Selenium, Visual Studios, Google Coder- Raspberry Pi, Leap Motion SDK, Pebble Cloud Developer, XCode, Unity, AutoCAD, Salesforce, MatLab, Adobe Photoshop, Zend Studios, Kentico, ColdFusion, CodeBlocks, Tortoise SVN, GIT, Jira, IBM Bluemix, Dojo

Training and Certifications: **Google**| YouTube Certified , **EMC** | Leading the Lean -Agile Software Enterprise with the Scaled Agile Framework – Scaled Agile Academy, EMC Proven Professional - Cloud Infrastructure, Data Science and Big Data, Backup Recovery Systems and Architecture

PROFESSIONAL EXPERIENCE

Google UK Ltd. (YouTube EMEA, Online Partnership Development) London, UK
Business Technical Intern August 2015 -
December 2015
- Designed a framework for quantifying value for scaled Online Partnership, which was developed into a dashboard.
- Established and developed an efficient way of keeping track of EMEA Online Partnerships Budgets through market analysis with Dashboards and Excel with SQL and Excel Macros.
- Created the first several info graphics newsletters for various Partnership Campaigns and developed numerous scripts to collection for scaled data analysis for team members.

EMC Corporation (Core Technologies Division, VNX) Hopkinton, MA
Software Engineer | Program Management Intern May 2015 -
August 2015
- Reduced EMC Midrange Storage hardware products resources installation time by efficiently eliminating memory leaks in array build C code with Vargrind
- Developed and showcased software project Krystal Clear Look Up (KCL) an Python internal web application tool through PyCharm that quickly analyzes EMC Midrange Storage arrays which increases productivity by 2% of developers by eliminating use of manually typing repetitive command lines
- Professionally presented information on technical reports for EMC Innovation Initiative Network by investigating and documenting key data and analysis on "Internet of Things", while simultaneously demonstrating excellence communication and teamwork abilities
- Participated in EMC pitch marketing video for advertising my knowledge of company brand, illustrating my creative graphic design an digital media talents with Adobe Photoshop, Adobe Premier, and iMovie and other online infographic tools

Teaching Assistant (University of Central Florida College of Engineering and Computer Science)
Orlando, FL

ENG 1006C, ENG 1007 - Introduction to Engineering Lab Aug 2013 – May 2015
- Facilitated labs by teaching core programming concepts in MatLab, Excel, and Basic
- Engaged and lead students to acquire about different disciplines of engineering and apply problem solving concepts to UCF projects, such as Boe-Bots from Parallax, and the Great Naval Orange Race

Northrop Grumman Corporation (Information Systems Sector)
Orlando, FL

Software Engineer | Quality Assurance Intern June 2014 – May
2015
- Supported in web software development by detecting critical software failures and provided thorough documentation on Jira and Team Wiki so that defects may be discovered and corrected
- Maintained and added new features to several websites used by government clients for simulation and training purposes with ColdFusion Markup Language
- Performed and wrote automated testing requirements for unit, component, and sub-system of websites to ensure compatibility and functionality for cross-site platforms using Selenium and Test Complete to certify quality and adding customer value

Educational Data Resources Winter Park, FL
Web Developer Intern Jun 2013 – June 2014
- Utilized Zend Framework to develop numerous responsive design webpages in JavaScript, JQuery, Dojo, HTML5, PHP, CSS
- Prepared and converted numerous COBOL models to PHP to prepare developers to begin AJAX, and JSON backend development

Earthrise Incorporated – Omega Envoy (Google Lunar X–Prize) Orlando, FL
Computer Engineering Intern Aug 2012 – Aug
2013
- Collected data from previous NASA documentation to create Excel spreadsheets of CPU and network specifications for the rover
- Explored LabView software for FPGA programming of rover CPU while concurrently investigated Omni-direction antennas for wide range Wi-Fi capabilities

Certus View Technologies Palm Beach Gardens, FL
Information Technology Intern May 2011 – Aug 2011

- Collected, imported and organized contractual documents into SharePoint server
- Baseline imaged numerous Toughbook's hard drives, and provide customer service for IT help desk support
- Developed data flow charts for server infrastructure in order to validate system configurations and generated models for Configuration Management Database (CMDB) using OneNote CMDB

AFFILIATIONS AND COMMUNITY INVOLVEMENT

National Society of Black Engineers (*Region 3 Telecommunications Chairperson)* - Regional Executive Board, May 2014 – May 2015
Women in Electrical Engineering and Computer Science (Campus Outreach Director), Aug 2013 – May 2015
U S Dream Academy (Mentor) – One to One Mentorship Program, Aug 2014 – Present
Girls Who Code (Mentor) – Mentorship Program, Aug 2014 – May 2015
Computer Science Tutor (Volunteer) – Intro. to Computer Science, Language C, Professor: Arup Guha, Aug 2014 – Dec 2014
National Society of Black Engineers (University of Central Florida Chapter) – Programs Chairperson, May 2012 – May 2013