Nicole Kato EIT *Full-Stack Engineer trying to re-enter Aero/Robotics/Mechanical Field*

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EMPLOYMENT

Full-Stack Engineer - Walt Disney Parks & Resorts Online
May 2013 to Present
- Engineer for Disney World and My Disney Experience websites for users to pre-plan their vacations with Magic Bands. Set up global navigation for the Disneyworld.com mobile site. Develop new features, bug fixes, performance enhancements using PHP, HTML, Javascript and CSS.
- Contribute to entire SDLC (System Development Life-Cycle), including sprint planning, requirements gathering/clarifications with the production team, setting up development environments, coding and performing code reviews.
- **Hack Day Spring 2014** – Upgraded the Mickey Mouse Car Antenna by adding soldering LED lights and being able to light on and off with a web application, using an Arduino, PHP, Java, HTML, and CSS
- Engineer for the Aulani Evolution Project to re-design aulani.com.

Webmaster – JustinGuarini.com
July 2013 to March 2014
- Set up and redesigned new Justin Guarini website, which launched for the airing of Justin Guarini on Opera's OWN network using MySql, PHP, CMS, HTML, Javascript and CSS.

Software Engineer - Accenture LLC. contracted to Walt Disney Parks & Resorts Online
Jul. 2011 to Feb. 2013
- Software Engineer and Developer for Disneyland.com, Disneyparks.com, Disneyvacations.com, and Aulani.com. Set up several environments through F5 Load Balancer, Windows servers and Linux servers. Developed new features, bug fixes, performance enhancements and triaged live site incidents using Java, PHP, Tea, HTML, Javascript, CSS and GoPublish. Supported the QA and SE teams by providing deployment documentation and led launch calls. Acted as offshore coordinator for a team of 5 developers in India.
- Led scrum daily stand up meetings, demos and retrospectives by following the Scrum (Agile) methodology.
- Developed load test plan and scripts using JMeter and upgraded load test environment for Walt Disney World's New Fantasyland Sweepstakes page.
- Lead developer for Disneyparks.com, "One More Disney Day" project.

Internship - Position Navigation and Timing (PNT), Research and Innovative Technology Administration (RITA), US Department of Transportation
Jun. to Aug. 2010
- Wrote US DOT Strategic Plan Implantation with PNT FY 2010-FY2015 on position, navigation, and timing technology is used to accomplish the goals set by the US DOT Strategic Plan 2010-2015.
- Developed a cognitive website template for different departments within RITA.

Internship - Communications Engineering Branch, National Library of Medicine, National Institutes of Health, US Department of Health and Human Services
Jun. to Aug. 2009
- Assisted in usability design and testing of Nursing Home Screener, a website that assists in finding of nursing homes in the United States.

PROJECTS

Personal Website Redesign - http://nicolekato.com
Apr. 2014 to Present
- Rebuilding personal website to include aeronautical engineering tools. This a mobile first website built with a CodeIgniter MVC Framework and a mod_wsgi (python) backend being deployed and updated with Git

EDUCATION

University of Southern California
Jun. 2013 to Present
- Pursing a Master's of Science in Mechanical Engineering

Swarthmore College
Sep. 2007 to May 2011
- Bachelor of Science in Engineering and a Bachelor of Arts in Economics - http://nicolekato.com/index.php/projects

ADDITIONAL SKILLS

Computer Languages
- PHP (ZendFramework I, ZendFramework II, WordPress, and CodeIgniter), CSS (CSS3, Less), JavaScript (JQuery, Mustache, and YUI), AJAX, Java, Python, MATLAB, Unix, JSON, SQL, HTML (HTML5), XML, XSD, Tea, Assembly, C, and Verilog

Software Programs
- Eclipse, Perforce, Sublime, Git, Apache, Bamboo, GoPublish, JMeter, Jira, Fisheye, Maven, Content Editor (Content Management System), Tomcat, YSlow, Adobe Photoshop & Illustrator, SharePoint, Multisim, MS Excel, MS PowerPoint, MS Visual Studio, Koala, Subversion, Simulink, Windows and Unix Servers

Additional Skills
- Dermal, Solder, Mill, Breadboard, and multimeter, Arduino, GPS receivers, Texas Instruments 16 bit MSP430 Microcontroller, F5, Computer Networks