Brian Peck

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Experience

Software Engineer, Lockheed Martin Advanced Technologies, 2007 - Present

- Currently updating and continuing work on a scala framework used for modeling gene networks for the National Institude of Health.

- Developed Java solutions for auditing and archiving Windows security logs across secure networks.

- Developed developing Java adaptations of game theoretic algorithms to support mission planning, monitoring and assessment with emphasis on adversaries and deceptive reasoning for military operations.

- Developed JavaScript web clients and Jersey web services for the Office of Naval Research. Provided on-site installation and support for the team when deploying our product and gathered customer feedback to update the team.

- Prototyped a wearable, networked augmented reality system to enhance situational awareness for dismounted warfighters. Developed sensor alignment algorithms and integrated hardware and software components from five partners; successfully demonstrated in the field to DARPA personnel in January 2010.

- Developed a Python-based framework for automating testing procedures.

- Developed prototype Android application for unmanned vehicle inventory interaction.

- Developed a dynamically allocating ActiveMQ broker, using RabbitMQ, in early Cloud Computing research exploring scalability of known messaging implementations.

- Developed a program to parse legacy system log files and create a Hibernate database containing the information.

- Developed integration code connecting PostGIS databases to a JSF web client to facilitate web enabled track fusion. Provided on-site installation and product presentation to the customer.

Web Development Intern, USGS Astrogeology, 2006 - 2007

- Developed and updated websites for the USGS Astrogeology department including astrogeology.usgs.gov and mapaplanet.org using JavaScript, HTML, Perl, Postgres and GIS databases.

Awards

- 2011: Lockheed Martin Individual Spot Award in recognition of exceeding project expectations resulting in additional project funding kept on-site.

- 2010: Lockheed Martin Individual Spot Award in recognition of customer praise for technical support across numerous product releases.

- 2008: Lockheed Martin Individual Spot Award for exceeding expectations and demonstrating exceptional performance.

- 2008: Lockheed Martin Team Special Recognition Award for exceeding expectations and demonstrating exceptional performance.

Education

- *Master of Science in Computer Science*, USC 2013 (expected)

- *Bachelor of Science in Computer Science*, Northern Arizona University 2002

Technical Proficiencies

- Java: Over four years of object-oriented programming experience using Java EE (JBoss, Glassfish).

- JavaScript: Over a year of experience developing web applications using JavaScript(YUI), HTML, CSS and GWT.

- Linux: Over a year of Linux system administration and development experience.

- Scala: Scala development creating a domain specific language for mathematical equations, and updating scala frameworks and libraries used for kinetic modeling.

- Python: Significant experience developing a Python-based automated testing framework.