MILES OLDENBURG

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EDUCATION

Duke University   December 2015
M.S. in Electrical & Computer Engineering   *Durham, NC*

Coursework: Information theory, machine learning, network architecture and security, environmental sensing, computer vision, distributed systems, robotics, and parallel computing.

· Planning and control systems of Baxter Research Robot for ICRA 2015 Amazon Picking Challenge competition
· GPU acceleration of a multi-objective genetic algorithm
· Dynamic image projection using Microsoft Kinect
· Measurement and analysis of NTP Reflection DDoS attacks

Skills

MATLAB, C, Python, C++, Java, Node.js

The Ohio State University   July 2012
B.S. in Computer & Information Science   *Columbus, OH*

Coursework: Systems engineering, database systems, artificial intelligence, computer graphics, architecture, algorithms, and information systems.

Skills

Java, C, C++

EXPERIENCE

Cisco Systems, Inc.   July 2012 - Present
Engineer   *Research Triangle Park, NC*

I work on a network security cloud product that analyzes customer network data to provide insights into security vulnerabilities. This work spans different domains from virtual appliances, web applications, and analytics. Previously I worked in global operations designing applications that provide operations visibility and metrics.

· Built virtual appliance provisioning and delivery service
· Responsible for design and development of web and mobile applications for operations
· Manage global vendor teams for product development and support
· Design automated front and back-end build, test, and deployment processes
· Created application to analyze and forecast reporting structures and provide personnel metrics to assist executives making organizational decisions
· Created JavaScript library for collecting user feedback on services
· Maintain an internal Bootstrap fork with custom components that adhered to company UI requirements used by many teams
· Created application to gather and display usage metrics about other applications to assist in resource assignment and retirement of the applications
· Mentor interns and new hires and manage intern projects

Skills

AWS, CSS (Bootstrap, LESS, Sass), Docker (Docker Compose), Gherkin, HTML5, Java (Maven, Apache Struts, Spring, Hibernate, Dropwizard, JUnit, Mockito), JavaScript (Angular, jQuery, Node.js, Backbone, Grunt, Gulp, Webpack, Require.js, Mocha, Chai, Cucumber), Kubernetes, MySQL, NGINX, Oracle, Python, RAML, Scala (Apache Spark), Version Control (git, svn, cvs, Gerrit, Stash), Continuous Integration (Jenkins), Apache Cordova/PhoneGap

The Ohio State University 2007 - 2009
Systems Engineer *Columbus, OH*

I worked for the college of Arts and Sciences designing and maintaining web sites and applications for departments, centers, and faculty.

· Created error reporting and SQL injection reporting system
· Created applications for departmental events, directories, news, scheduling, and course listings
· Created a custom lightweight ColdFusion MVC framework for internal applications
· Created accessible web sites for impaired users and sites that adhere to government and validation standards

Skills

ColdFusion, MSSQL, PHP (Drupal), MySQL, HTML, CSS, JavaScript

TECHNICAL STRENGTHS

Computer Languages	Java, C, C++, JavaScript, Python, PHP, ColdFusion
Databases	Oracle, MySQL, MongoDB
Tools	Git, SVN, Jenkins, MATLAB, Linux/UNIX, Docker, RAML, Gherkin

CERTIFICATIONS AND TRAINING

Professional Scrum Master I
Scrum.org, 2012

ITIL IT Service Management
PEOPLECERT, 2013

Security Green Belt
Cisco Systems, Inc., 2017

Big Data: Hadoop
Cloudera, 2013

M101J: MongoDB for Java Developers
10gen, 2013

ITIL Foundations
Pink Elephant, 2013

Building Hybrid Apps With PhoneGap
Jonathan Stark, 2013

Scrum Boot Camp
Construx, 2012

Advanced Javascript
Marakana, 2012

Introductory and Advanced ColdFusion Training
Webucator, 2008