TREVOR M MACK

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OBJECTIVE

To be involved with a topnotch team working on tomorrow's technology problems.

PROFESSIONAL SKILLS

OS: Windows 98/2000/XP/Vista/Windows 7, Unix, Linux
Software Packages: MS Office, Visual Studio, Eclipse, IntelliJ
Languages: Java, C++, SQL, HTML, JavaScript, PHP, XML
Frameworks: SpringSource, jQuery (JavaScript Library), Moustache (Client-Side Templating),
Neo4J (Graph Database, NoSQL), Apache RAVE (OpenSocial Portal) and Shindig (OpenSocial Gadget Renderer)

JOB EXPERIENCE

Senior Internet Application Developer, R501   2012 – Current

MITRE Corporation, Bedford, Massachusetts

- Work on a medium sized Java SpringSource Corporate Web Application Team.
- Architected a database design strategy using Neo4J (Graph Database / NoSQL)
- Development is completed in AGILE Scrum Sprints (rollout scheduled at end of 2-week sprint)

Software Systems Engineer, E133   2010 – 2012

MITRE Corporation, Bedford, Massachusetts

- Assisted a team in designing a cross agency collaborative network concept and developed threads for demonstration and data collection purposes in support of the US Coast Guard.
- Worked as the liaison to ESC/XRC's C4ISR Enterprise Integration Facility at Hanscom AirForce Base with leveraging the agile capabilities and hosting US Government driven experiments and exercises.
- Attend government experiments for integration and end user involvement.
- Provide developing assistance among the research projects within the CCoD investment portfolio using a commercially available mashup application called MashableLogic.
- Facilitate direct customer/contractor interactions throughout the agile development lifecycle of various SII program contractors sponsoring the ESC/XRC.
- Provide technical guidance and direction with regard to enterprise system engineering, corporate technical guidelines and strategic direction.

Technical Co-op, R200   2009 – 2010

MITRE Corporation, Bedford, Massachusetts

- Evaluated the business advantage of creating academic relationships with universities.
- Researched and evaluated Google Wave for implementation into an Enterprise environment.
- Developed multiple applications that adhered to the OpenSocial Gadget API these included: finding currently available conference rooms, airline and airport statuses, and idea posting/ranking gadgets.
- Developed a presentation toolkit to be used for the Senior Engagement Room (SER) in McLean, VA.

Co-op Software Developer   2008

Bytronics Inc., Fairport, New York

- Directly communicated with utility companies to customize their experience with the application. These requests ranged from bug fixes to customer enhancements and new modules.
- Worked alongside a team of 5 developers to enhance and implement new features to a web-based utility ticket management application which is used nationwide.

EDUCATION

Bentley University   2011 - Current

Bentley University, Waltham, Massachusetts

- First year Master's student studying Human Factors in Informational Design (MS HFID)

Rochester Institute of Technology   2006 – 2010

Rochester Institute of Technology, Rochester, New York

- Graduated with a Dual Bachelor's Degree in Computer Science and Economics.
- Made several programs in Java and C++ which involved the use of GUIs and advanced algorithms.
- I have learned how to implement the Software Development Lifecycle and how a professional development team is comprised and corroborates with each member during this cycle.
- **GPA** (overall): 3.20/4.0   **GPA** (PFOS): 3.22/4.0

SEworks1 Graduation
May 2012

MITRE Institute 1-Year Training Program, E133 / R501

- Chosen to be a student in the MITRE Software Engineering Works (SEworks1) program (9 month)..
- Classes to teach INCOSE and MITRE specific Software Engineering competency model and specific software engineering job functions here at The MITRE Corporation.

SPOT Award
20 July 2011

SPOT Award for Composable Tactical Data-link Mesh Network Rapid Prototype, ESC/XR

- Recognized for the tireless hours spent on data integration and network development and through the successful Demonstration to the US Coast Guard District 1 Office at Hanscom AFB on June 17th 2011. "This prototype, which has immediate mission utility across DOD, DHS, NGO, and Defense Support for Civil Authorities, demonstrates the true value and impact of MITRE to our sponsors."

–verbiage taken from SPOT Award Letter

SEworks1 Nomination
2011 - 2012

SEworks1 2011-2012 Cohort Nomination, E133

- Through achievements on the Mesh Network project my division's director saw it appropriate to nominate me into the SEworks1 Class of 2011-2012 to further my understanding and knowledge of Systems Engineering here at MITRE and at large.

Quarterly ESC Team Award Nomination
Spt./Oct. 2011

Nominated for Quarterly Team Award, ESC/XR, Hanscom AFB

- Recognized for the unprecedented partnership across FFRDCs, Government seams, and private industry partners in a Proof of Concept idea, known as The MESH Network.

FY11 Annual ESC/XR Team Award Winner
January 2012

Mesh Network Project Team won Annual Team Award, ESC/XR, Hanscom AFB

- Team won team of the year for the success of immediate mission utility to numerous agencies and organizations involved in disaster preparedness and emergency response for ESC/XR in FY11. The great success following the 2011 Annual US Coast Guard Innovation Expo in Tampa, FL in October which ended with the Coast Guard examining the possibility of a transition into a Program of Record capability within their structure motivated local ESC sponsor organization to nominate the team for this award.