City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: Steven Mark Lewis	

Board/Commission Name: Seattle Commission for People with Disabilities	**Position Title:** Member

☐ Appointment OR ☒ Reappointment	**Council Confirmation required?** ☒ Yes ☐ No

Appointing Authority: ☐ Council ☒ Mayor ☐ Other: *Specify appointing authority*	**Term of Office:** 05/01/16 - 04/30/18

Residential Neighborhood:	**Zip Code:** 98033	**Contact Phone No.:**

Legislated Authority:
SMC 3.14.920, SMC 3.14.921, SMC 3.51.010, Ordinance 118392, , Ordinance 120325, Ordinance 123219, Ordinance 123734

Background:

Steven is seeking a position on Commission to help others in his situation. He sustained spinal cord injury three years ago and had numerous occasions to personally learn of the successes and failures of disability policy. He is confined to a wheelchair and had to learn about the uses of most of the provisions of the Americans with Disabilities Act and the problems that arise with or without these conditions being met. He recognizes how much being disabled can be a life-changing event and how the work of the team that followed him through his recovery made on his life. He feels extremely lucky to have both physical and financial resources to lead a fairly normal life and hopes that he can make a difference in the lives of others by being part of the Commission.

Date of Appointment: 3/21/16	**Authorizing Signature (original signature):**	**Appointing Signatory:** Edward B. Murray Mayor of Seattle

Steven Mark Lewis PhD

Summary

Skilled and experienced software developer with extensive scientific background including statistics and data analysis. Years of experience teaching and developing coursework at university level. Expert in object-oriented design. Expert in Java development. Has designed and developed web and desktop solutions. Has developed courses in Java and J2EE. Has taught Java, J2EE and C#.
He has also been active in several projects for aiding the disabled.

Technical Skills

- Expertise in Java and C++ and C# Architecture and design
- Expertise in J2EE and Web based back ends
- Expertise in Object-Oriented architecture and coding.
- Experience in C#
- Experience forming and managing a development team
- Experience developing .Net Webforms and with .Net no touch deployment

- Expertise building WebServices
- Expertise in EJB and J2EE
- Expertise in MFC
- End to End Product Development
- Experience in data acquisition, analysis and real time control, interfacing and communications.
- Expertise in Swing (JFC)

Teaching Experience

- Helped develop and Teach a course in C# and Microsoft technologies for the Microsoft Center for Excellence in Engineering
- Developed and am selling a course in Java for Oracle Developers for SQLUniversity.net
- Developed and taught a course on Java Web development at Watchmark
- Developed and taught the SEAJUG Swing course
- Developed and taught a course on Java development at AppWorks
- Developed and taught a course on Java Swing at ScenicSoft
- Taught C and C# at Microsoft for their internal training
- Developed and taught several Java courses while at OnVia
- Developed and taught a course in the University of Washington extension program on interfacing to Oracle databases in Java
- Developed an Advanced Java course for U. Washington Extensions covering J2EE, CORBA and remote methods
- Taught Bioengineering for 13 years at U.S.C

Disability Experience

- 2011 - present Served on the board of Alliance of People with disAbilities.
- 2012 certified as a rehabilitation mentor at University of Washington and Harborview hospital.
- 2013 certified as a Christopher Reeves mentor.
- 2013 Elected as Vice President of the Alliance of People with disAbilities.

RECENT PROJECTS

- Developed an application for editing and creating Oracle configuration files.
- Developed an application for Radio over Internet Protocol (RIOP)..
- Helped design a secure system for loading software on Boeing aircraft over the web..

- Architected and managed the development of a commercial system for Synthesizing DNA for microarrays.
- Managed a team implementing and maintaining an eCommerce Web Site using J2EE based web site
- Developed a .Net Webform for image display capable of running in a browser or being deployed as a stand alone application using no touch deployment.
- Developed the Architecture for a code generator to create an object-relational mapping layer by reading meta-information in an Oracle database.
- Managed a team implementing and maintaining an eCommerce Web Site using J2EE based web site
- Taught Microsoft's internal C# course.
- Developed and taught a course in the University of Washington extension program on interfacing to Oracle databases
- Architected a Java based a web front end to Microsoft exchange.
- Developed an open source code generator allowing Java to talk to COM.
- Helped architect an XML based framework for delivery of Web pages which worked with all major databases (Oracle,DB2,SQL Server, Access)
- Developed UI for placing a Terabyte Database on the Web.
- Delivered a paper on javadoc extensions at JaveOne99 This is part of an open source package called JDoc2
- Developed an Advanced Java course for U. Washington Extensions covering J2EE, CORBA and remote methods
- Lead Developer of a Java port of the client portion of the company's client product to Java.
- Developer of a Java class library of user interface and graphic tools targeted for both Applet and Application development. The code is over 150K lines and 300 Java classes. • Developer of a high level class library of for application development extending Microsoft Foundation classes to a true Model-View Architecture. The code is over 150K lines and 200 C++ classes. It has been used to implement 3 major applications.
- Lead developer of software for a commercial Rhinomanometer, RhinoSoft_, currently being marketed as an add-on to the MultiSpriro_ Spirometer system, lead of a 2 person team.
- Developer of Timeliner, a tool for supporting scheduling of satellite operations and resources. This tool is currently in use by Hughes, Lockheed, Aerospace and the US Air Force.

POSITIONS HELD
2010-present Software Developer Institute for Systems Biology .
2007-2010 Senior Software Consultant Boeing.
2004-2007 Senior Software Engineer Combimatrix.
2003-2004 Senior Consultant – Lynden Transport
2002-2003 Development Manager Unified Signal.
2000-2002 Senior Architect for OneWeb Inc.
1999-2000 Architect and Manager Training in Advanced Technologies at Onvia.com
1998-present – Principal in LordJoe Inc.
1999- consultant with DirectWeb developing java deployment
1998- present internal teaching at Microsoft Technical Education
1999 – developed and taught UW Extension advanced java course
1994- 1998, PHAMIS Inc.(Acquired in 1997 by IDX Systems Corp.), Senior Engineer, Seattle WA.
1989-1994, Rhinosoft Corp., Director of Engineering,
   6468 Lippman Ave, San Diego, CA
1989-1993 MTS, The Aerospace Corporation ,
   Computer Science Lab Los Angeles, CA
1976-89, Associate Professor, Department of Biomedical Eng, U.S.C., Los Angeles, CA.

EDUCATION
B.S.   California Institute of Technology, 1969 Mathematics, with honors

Ph.D. University of Washington, Seattle,1974 Biophysics
Publications and references are available on request.

Patents

Provisional Patent Application No.61/078,309 for Radio Software Console Interface Unit

A Few Recent Projects

Project – Combimatrix
Position – Developed the software for a DNA synthesizer developed by Furuno. The task involved negotiating an API and hardware specification, developing a controller and user interface using that interface. Testing and debugging both my code and the partners code. Participation in testing the completed system and applying for TUV and UL certification.

Project – Lynden Viewer
Position – I was brought in to build .net control which could work in a browser or thick client application. The controller could select and display TIF images from a database, display them and allow users to add annotation.

Project – Unified Signal Site
Position – I was brought in to build a team for managing the code for a large web based site for selling and managing a number of telecom services. The site and associated back end code was responsible for customer acquisition and management for a number of telecom services. We were responsible for customer acquisition customer service and billing.
I built and managed a team of local developers. In addition there were two overseas teams involved in the project.

Project – One Web IC3
Position – I was brought in after the initial design but ended up sharing responsibility for the overall architecture
What it does: IC3 is a framework for delivering Web content (also WAP, XML and other formats) based on XPath. Pages developed are XML documents with custom tags allowing access to specific IC3 functions and actions. Data sources are separate from the page and are defined in a collection of schemas. Data sources include SQL databases, EJBs, Webservices and others. There is a specification for how developers can define their own web services.
The framework provides a clear separation of responsibility between the schema developer who developers Java code for accessing data sources and the page developer who is responsible for presentation.
The code is in Java, implemented as a servlet and is deployed on Apache, IIS and Websphere.
In working on the project I introduced elements of the Extreme programming methodology into the project – specifically a strong framework of unit testing and the use in occasional pair programming to make sure all developers were on the same page.

Project – Reading COM
Position – This was entirely my project although it was developed to support IC3.
What it does: This is a collection of three programs designed to expose COM objects to Java code. It consists of three programs: a TypeLib reader based on the JCOM open

source project reads typelib information given a ProgID or a dll and generates an XML file describing the type lib. A code generator reads the XML file and generates a collection of Java classes representing the IDispatch and enum objects described in the file. A collection of base classes based on the Open-Source Jacob project used by the generated code supports the required native methods.

Project – IDX Viewer
Position – I was the sole developer on this project
What it does: This program is a C++ MFC application which displays laboratory data to physicians for a large hospital. The application supports a number of views including tabular views, line and bar graphs. Every data item is tied to commentary which may be accessed by clicking on cells in a table or points on the graph. Many aspects of the view may be dynamically altered by the user. There is a Java version of the same application under development.
This application has been in continuous use at a number of hospitals throughout the world.

Project – EJB Technology Framework
Position – I was part of a team with major responsibility for teaching and disseminating the technology.
What it does: I was responsible for looking at a number of advanced technologies for Onvia.com. The most significant technology was Jave Enterprise Java Beans. I taught their use to developers. My major interest was to develop a framework which would:
1) Isolate page developers from any of the complexities associated with EJBs allowing their seamless use within a page.
2) Develop a framework and code generator to allow specific Java objects to be exposed as EJBs. I was targeting any Java object following the Bean specification and simple tables or views in a SQL database.
The work was well along when the dot com collapse terminated all serious software development at Onvia.

SEATTLE COMMISSION FOR PEOPLE WITH DISABILITIES
JULY 2016

16 members: Per SMC 3.14.920 Confirmed by City Council, all subject to City Council confirmation, 2-year terms:

- 7   City Council-appointed
- 7   Mayor-appointed
- 1   Commission- Appointed
- 1   Mayor-appointed

Roster:

*D	**G	Position No.	Position Title	Name	Term Start Date	Term End Date	Term #	Appointed By
2	M	1.	Member	Jonathan Porter	05/01/15	04/30/17	3rd	Mayor
6	F	2.	Member	Patricia Copeland	05/01/15	04/30/17	3rd	Mayor
		3.	Member	Vacant	05/01/15	04/30/17		Mayor
		4.	Member	Vacant	05/01/16	04/30/18		Mayor
		5.	Member	Vacant	05/01/16	04/30/18		Mayor
6	M	6.	Member	Steven Mark Lewis	05/01/16	04/30/18	2nd	Mayor
2	F	7.	Member	ChrisTiana Obey	05/01/15	04/30/17	1st	Mayor
		8.	Member	Aaron Bunnell	05/01/16	04/30/18	1st	City Council
		9.	Member	Jessica Williams-Hall	05/01/16	04/30/18	1st	City Council
6	M	10.	Member	Michael L. Barta	05/01/15	04/30/17	3rd	City Council
		11.	Member	Vacant	05/01/15	04/30/17		City Council
		12.	Member	Kevin C. Eggers	05/01/16	04/30/18	1st	City Council
6	M	13.	Member	Robert F. Canamar	05/01/15	04/30/17	2nd	City Council
		14.	Member	Conrad A. Reynoldson	05/01/16	04/30/18	1st	City Council
6	F	15.	Member	Diane Laurine	05/01/15	04/30/17	1st	Commission
1	F	16.	Member	Shandra Benito	09/08/15	09/31/16	1 term	Mayor

Diversity Chart:

	Men	Women	Vacant	Minority	(1) Asian-American	(2) Black/ African American	(3) Hispanic/ Latino	(4) American Indian/ Alaska Native	(5) ***Other	(6) Caucasian/ Non-Hispanic	(7) Pacific Islander	(8) Middle Eastern	(9) Multiracial
Mayor	2	2	3	2	0	2	0	0	0	2	0	0	0
Council	2	0	1	0	0	0	0	0	0	2	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Comm	0	1	0	0	0	0	0	0	0	1	0	0	0
GE	0	1	0	1	1	0	0	0	0	0	0	0	0
Total	4	4	4	3	1	2	0	0	0	5	0	0	0

Key:

    *D   List the corresponding *Diversity Chart* number (1 through 9)

    **G   List *gender*, M or F

***Other   Includes diversity in any of the following: *race, gender and/or ability*