Computer Science
Business Partnership Council Minutes
Friday, November 15, 2013
8:30am to 9:25am – TC 427

I.   Introduction of Members

David Knopp discussed the new grant for developing Network Security programs.
He also discussed the rate of completers in the Computer Science AS and CCC
programs. Ali Fazelpour mentioned that the number of completers for the Cisco
CCNA was incorrect. Elizabeth I. Horvath also mentioned that not all eligible
completers for the Network Administration degree received the Information
Management CCC.

II.   What programming languages does your organization use? What
        tasks/projects are required of programmers and how many programmers do
        you employ?

Melinda Miller said that Mobile Development is the focus. Browser-based apps
using HTML5 are used for laptops in police cars and tablets on motorcycles. Apps
for Android and iPhone are also being developed. David Knopp asked if we are
offering classes in these areas. Palm Beach State College has classes on both
Android and Object C Programming. Perhaps HTML5 could be covered in more
depth in the COP 2822 Web Site Design class. Armando Paladino said that SQL
and XML for data exchange are being used at Oracle as well as web apps. Also,
Linux, Solaris, and Windows operating systems are being utilized. Melinda Miller
said that they are leaving IBM mid-range computers and that they going to a full
Microsoft shop with client/server applications. They also use hosted services in the
cloud.

III.   What database management systems does your organization use?

Armando Paladino said that both Oracle and MySQL DBMS are used, since Oracle
purchased MySQL.

IV.   What types of storage (SAN or NAS) are used in your company?

Armando Paladino said that Oracle uses and sells both SAN and NAS. Elizabeth I. Horvath asked which was more popular iSCI or Fibre Channel. Melinda Miller said that they use SAN and that also many other state and local (Florida Council ?) government branches use SAN. She also said that they are moving from the easier to configure, less expensive to the faster FibreChannel because they have terabytes of data to manage.

V.   What types of virtualization techniques (VMWare, XenSource, HyperV, …) are used in your organization?

Melinda Miller and Armando Paladino said that both organizations use VMWare. Cary Anderson's company uses Xen.

VI.   What skills do your cyber-security personnel have? Do you have any staff whose sole role is to implement cyber-security?

Melinda Miller recommended the ISC2 certification. ISC2 certifies network security professionals. She recommended https://www.isc2.org/ for more information. She has a CISSP certification from ISC2. Melinda Miller said that they have three network administrators. Two of these employees hold Bachelor degrees in Computer Information Systems and one holds a Masters in this field. All members, including help desk personnel, are responsible for securing the network. The team members are "jacks of all trades". Armando Paladino said that there are thousands of employees at Oracle, but his division does not have specific personnel for implementing network security.

VII.   What are the new services or technologies that students should be able to configure?

Melinda Miller said interoperability was key. She said that she had to mentor new employees for 12-18 months, do in-house training, and have new employees take courses before they became productive. Also, she believes that students need more practical skills and not just theory.   Melinda Miller also mentioned the possibility of having internships for students. Mary Vitrano mentioned that Dr. Vallejo was very interested in the internship programming.

VIII. Set date for next meeting
April 18, 2014 8:30am to 9:30am

This was the first meeting of the Computer Science Business Partnership in which some members participated via video conferencing.

Members:
Chuck Stoddard   Chair   stoddard@bellsouth.net 561-868-0571

Cary Anderson   Information Services Specialist, Company Cenvill Recreation, Inc. caryyy@gmail.com

Ali Fazelpour   Professor, Palm Beach State College
fazelpoa@palmbeachstate.edu 561-862-4436

Dr. Elizabeth I. Horvath   Professor, Palm Beach State College
horvathe@palmbeachstate.edu 561-868-322

Harold Kline   Professor, Palm Beach State College   klineh@palmbeachstate.edu 561-868-2330

David Knopp   Associate Dean, Palm Beach State College
knoppd@palmbeachstate.edu 561-868-3689

Melinda Miller   IT Director for the City of Jupiter, Adjunct Professor, Palm Beach State College   millerm@palmbeachstate.edu

Dr. Armando Paladino   Business Analyst, Oracle Corporation, Adjunct Professor, Palm Beach State College paladina@palmbeachstate.edu

Gail Tomei   Career Center Counselor/Professor, Palm Beach State College
tomeig@palmbeachstate.edu 561-868-3049

Mary Vitrano   Professor, Palm Beach State College
vitranom@palmbeachstate.edu 561-868-3541