

# James M. Slocum, Computer Engineer

\*Please use the contact me link in my web page for contact information

## CAREER OBJECTIVE

Certified Java Programmer, and Computer Engineer, enthusiastically exploring opportunities to advance my career in software engineering as a key team member of a software development organization that relies on problem solving skills and experience to achieve objectives.

## EDUCATION and PROFESSIONAL DEVELOPMENT

**B.S. Computer Engineering**, New Jersey Institute of Technology 2008

**Sun Certified Java Programmer (SCJP)** 2009

**FCC Licensed Technician class radio operator**, (KC2OSZ) 2005

## PROFESSIONAL EXPERIENCE

Mercer County Community College – West Windsor, N.J. December 30<sup>th</sup> 2008 - Present

### **Adjunct Instructor**

- Teach various computer science classes including
  - IST-137 (Introduction to Java Programming)
  - COS-102 (Computer science 1: Algorithms and Programming)
  - IST-238 (Intermediate Java Programming)
  - IST-239 (Advanced Java Programming)

Gaming Laboratories International – Lakewood, N.J. December 22<sup>nd</sup> 2008 – Present

### **Math Developer**

- Use Java and C to write statistical modeling programs when casino math is too complex to be solved in a spreadsheet.
- Write RNG data parsers to validate RNG data.
- Programmed a distributed system to combine over 130 computers into a single computing cluster, compressing a 5.2 year runtime into 39 days.
- Perform source code review and validation for Random Number Generators in several different languages including Java, C, C++ Visual Basic, C#, and Python.
- Taught corporate training in Linux, and was in charge of making sure the engineers were proficient in the operating system.

Gaming Laboratories International – Lakewood, N.J. June 2<sup>nd</sup> 2008 – December 22<sup>nd</sup> 2008

### **Test Engineer I**

- Test and validate electronic casino games using various proprietary and standard tools for hundreds of jurisdictions around the world.
- Troubleshoot and debug various levels of software written in C++ using the GDB debugger.
- Wrote various Java programs and Bash scripts to automate testing in ways that had never been done before.
- Test game system functionality, and verify overall integrity of the software and hardware.
- Promoted to Math Developer on December 22<sup>nd</sup> 2008.

## TECHNICAL EXPERTISE

### **Operating Systems:**

Windows 2003 Server, Windows XP Pro, Windows Vista, Solaris, FreeBSD UNIX, AIX UNIX, Various Linux Distributions

### **Network Programming:**

TCP/IP Sockets, RMI, CORBA

### **Programming Languages:**

Java, C, C++, C#, VHDL, MIPS Assembly, Bash Scripting, PHP, Perl

### **Databases:**

MySQL, Oracle, Derby (JavaDB)

### **Java Packages:**

JDBC, Java 2D, JXL, JDOM, Swing