

James M. Slocum

j.m.slocum@gmail.com
www.jamesslocum.com

OBJECTIVE 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 *Master of Science, Computer Science*
New Jersey Institute of Technology, Newark, NJ 2011
Concentration: Data Mining

Bachelor of Science, Computer Engineering
New Jersey Institute of Technology, Newark, NJ 2008
Concentration: Processor Design

COMPUTER SKILLS *Languages & Software:* Java, C, Objective-C, Ruby, Python, L^AT_EX, gawk, Bash script.
Operating Systems: Linux, Unix, Windows, OSX.
Software Revision Control: Git, Subversion.
Database software: MySQL, PostgreSQL, MongoDB, Redis.

PUBLICATIONS 1. Slocum, James M. "Introducing Dart, the New Web Language from Google".
Linux Journal 1 March 2013: 96-108

EXPERIENCE *Software Engineer* April 2011 - Current
Telvue Corporation, Realtime Development, Mt. Laurel, NJ

- Design and write streaming video delivery software and realtime MPEG2 and AVC video decoders that are deployed by local and hyperlocal broadcasters.
- Implement software standards such as MPEG2 Transport stream, RTP, SCTE 30, SCTE 35, and HLS.
- Implement various communication protocols via rs232, and TCP/IP to allow remote control of video routing switches from our flagship product, the Hyper-Caster.

Adjunct Professor December 2009 - June 2012
Mercer County Community College, Computer Science Dept. West Windsor, N.J.

- Taught various computer science courses 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

Math Developer II June 2008 - May 2011
Gaming Laboratories International Math Department, Lakewood, N.J.

- Used Java and C to write statistical modeling programs when the game math was too complex to be solved in a spreadsheet.
- Wrote distributed system software to combine over 130 computers into a single computing cluster, compressing a 5.2 year runtime into 39 days.
- Wrote a custom software package called the RNG Test Suite that allows for more efficient testing of RNG data. Designed a custom virtual memory system, a plug-in API that allowed any user to add new features, and an automatic update system.
- Performed corporate training in Linux, to ensure the proficiency of the engineers in the operating system.