# James M. Slocum

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**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

**PUBLICATIONS**

1. Slocum, James M. "Dart - A New Web Programming Experience". *Linux Journal 1 March 2013: 96-108*

2. *Slocum, James M. "Introducing Dart (Video Course)". PACKT Publishing 30, July 2015 ISBN: 9781784399399*

**COMPUTER SKILLS**

*Languages & Software:* Java, C, Objective-C, C++ Ruby, Python, LaTeX, gawk, Bash script, Google Dart, HTML5.
*Operating Systems:* Linux, Unix, Windows, OSX.
*Software Revision Control:* Git, Subversion.
*Database software:* MySQL, PostgreSQL, MongoDB, Redis.

**EXPERIENCE**

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

- Design and program streaming video delivery software and realtime MPEG2 and AVC video decoders in C and C++ that are deployed by local and hyper-local broadcasters.
- Program implementations of software standards such as MPEG2 Transport stream, RTP, SCTE-30, SCTE-35, and HLS.
- Design and program various internal tools for monitoring and testing out products.
- 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 - Current
Mercer County Community College, Computer Science Dept. West Windsor, N.J.

- Taught various computer science courses including

  - COS-101 Introduction to Computer Science Concepts
  - 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.