

Gianfranco Biondi Jr.

Computer Engineer/Developer

WORK EXPERIENCE

MAR. 2016 - PRESENT

Network Security Software Engineer *DoubleVerify*

Led R&D for Publisher platform in Docker, Go, Javascript and Nginx. Research included protocol level experiments with TCP/UDP and HTTP/2 as well as with advanced Javascript techniques on the client side.

DEC. 2014 - MAR. 2016

Software Engineer *Namely*

Designed micro-services for web HR platform using Go and Docker. Built open source historical database.

OCT. 2012 - PRESENT

Technology Contractor *Self Employed*

Provided technology services to companies such as the T2 Marcom, MipTags Corp., and Guestflo Software inc. The work included UNIX server design, large-scale data migration, website design, Python/PHP/Javascript web application design, and work for the iOS and Android platforms. Also provided data science and machine learning.

FEB. 2013 TO SEPT. 2013

Lead Developer *Creative Technology Designs*

Designed and built custom native mobile and web applications for small businesses.

2008/2009

Engineer at Warner Robins Air Logistics Center *United States Department of Defense*

Wrote secure communication software to be used for use with all military GPS units as well as troubleshooted circuits for high precision timing interface with GPS simulation computers using .NET, Java and C++. Also performed testing, reports and troubleshooting for GPS units. Aided in reverse engineering of C-5 Galaxy Cargo Aircraft landing gear sequence control system and designed and implemented a new system using VHDL including testing procedures and documentation.

JULY 2007 TO AUG. 2009

Technology Contractor at Princeton University Plasma Physics Lab *Insittech Inc.*

Maintained and developed C/C++ and UNIX software for the Miniature Integrated Nuclear Detection System used by the US Department of Homeland Security and US Department of Energy. Also researched high precision measurement techniques including photogrammetry, laser tracking and ultrasonics during the construction of the NCSX as well as aided in construction and engineering.

218 Market Street, Apt 404 Newark, NJ 07105
+1 (609)575-8710
gianbiondijr@gmail.com

EDUCATION

- 2012 **Master of Science**
COMPUTER SCIENCE
Rochester Institute of Technology
- 2012 **Bachelor of Science**
COMPUTER ENGINEERING
Rochester Institute of Technology

AWARDS

- 2008-2012 **ASEE SMART Scholarship**
ASEE/United States Department of Defense
- 2006-2010 **Dean's List**
Rochester Institute of Technology

SKILLS

- Advanced Knowledge Golang, Docker, Kubernetes
C/C++, Objective-C, XCode
Java, VHDL, Altera Quartus,
Circuit/Electronics Analysis,
Python, HTML, LATEX,
OpenOffice, MatLab, Linux,
Microsoft Windows
PHP, Javascript
Computer Hardware & Support,
GCC/GDB, UML,
Oscilloscopes, Power supplies,
DMM, Fabrication, Xilinx Tools,
Nginx, Serial Bus Protocols
- Basic Knowledge SmallTalk, Alloy, OpenGL,
LabView, Eclipse

RELEVANT COURSES/PROJECTS

- Cryptography
Calculus and Discrete Math
Embedded System Design
Computer Vision
Electronics/Circuits Analysis
Signals and Systems
Computer network Security
Biologically Inspired Intelligent Systems
Freshman Robot Re-Design
FPGA-Powered Quadrature Encoder
Kinect/OpenCV powered V-SLAM Robot