LINDA MARIA M.

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Software engineer with diverse experience in GIS, cryptography, networking protocols and civil engineering.

PROFESSIONAL EXPERIENCE

Software Engineer, 2016 – present
Develop and upgrade geospatial software for use by military engineers. Part of an Agile team developing in C#/.NET.

Booz Allen Hamilton, Senior Technical Analyst, 2016
Wrote signatures to improve identification and processing of malicious cyber activity at a customer site. Improved signal and cipher identification capabilities by writing plugins for corporate frameworks.

Department of Defense, 2011 – 2016
- *Analytic Developer, 2014 –2016; Resume review number upon request*
Led a team of analysts studying network technologies, providing training, mentoring and tasking. Developed processing algorithms and prototyped solutions for new technologies using C++ and Python. Analyzed new TCP protocols to identify and extract underlying data.
- *Cryptanalyst, 2011 –2014*
Developed capabilities to exploit cryptographic systems. Wrote proof-of-concept software in C, C++, Python, and Perl to analyze waveform and bitstream data. Studied principles of signal collection and processing.

American Journal Experts, Contract Editor, 2014 – 2015
Assisted researchers submitting to English-language engineering journals by editing manuscripts for English fluency. Edited papers in civil and environmental engineering; GIS; computer science; and information theory.

University of Virginia, Graduate Research Assistant, 2009 – 2010
Graduate research in highway engineering. Compiled fleet-tracking data to present highway performance measures in GIS (with Oracle DBs, Java & SQL). Improved pavement detector data by associating occupancy detectors with highway TMC codes in ArcGIS and Google Earth.

City of Charlottesville, 2007–2010: Used AutoCAD and ArcGIS to map gas systems and update planimetrics.
Rinker Design Associates, 2007 & 2008: Assisted with roadway and SWM designs using MicroStation and AutoCAD.
Fairfax County Public Schools, 2003 & 2005: Teaching assistant for Java programming classes.

EDUCATION

Bachelor of Science in Computer Science, 2014
Master of Science in Civil Engineering, 2010
Bachelor of Urban and Environmental Planning, 2009
Department of Defense: Over 1400 hours of coursework in cryptanalysis, signals, and programming

SKILLS & CERTIFICATIONS

Design/Analysis:	Wireshark, AutoCAD, MicroStation, ArcGIS, Matlab, LaTeX
Programming:	Experience with Java, C#, Python, C, C++, Matlab/Octave
General:	Windows, Linux; Microsoft Office and OpenOffice equivalents
Certifications:	Network+