Desiree Garrison

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Computer Scientist

Grounded and solution-oriented Computer Scientist with a wide variety of professional experiences. Adept at motivating self and others. Passionate about data security and educating the next generation of technology users and innovators.

WORK EXPERIENCE

Principal Security Consultant

NCC Group

11/2016-Present

Achievements

• Tested web applications, mobile apps, networks, sandboxes, kernel components, custom client-server applications, hardware, firmware, stand-alone applications, and more for security weaknesses with a 100% accuracy.

• Researched security issues and presented information via speaking at conferences.

• Wrote whitepapers that have been an asset for the company's B2B blog.

• Developed and implemented new security tools that

are now used across the whole business group.

Natural Language Processing Engineer

Hello Soda

01/2012-09/2016 Achievements

• Built information extraction and text understanding pipelines, using statistical and machine learning techniques, to identify consumer insights from multilingual unstructured data.

• Coordinated effectively a team of 8 members with skills in engineering and design.

Software Analyst WINData Group

08/2008-12/2011

Achivements

• Reviewed code and assessing the impact of submitted changes.

• Assisted in the identification and development of tools for static code analysis.

## EDUCATION

Master's in Advanced Computer Science:

Computer Security University of Manchester

08/2006-05/2008

## TECHNICAL (IT) SKILLS

Tools

Eclipse, NetBeans, MS Visual Studio, SVN, Emacs, Jbuilder, JUnit Testing, Spring, JPA, Hibernate, Dreamweaver, Rational Rose

Natural Language Processing

Python (pandas, numpy, scipy, scikit-learn, matplotlib), Sql, Java, JavaScript/JQuery. * Machine learning: Regression, SVM, NaÃfÂ¯ve Bayes, KNN, Random Forest, Decision Trees, Boosting techniques, Cluster Analysis, Word Embedding, Sentiment Analysis, Natural Language processing, Dimensionality reduction, Topic Modelling (LDA, NMF), PCA & Neural Nets. * Database Visualizations: Mysql, SqlServer, Cassandra, Hbase, ElasticSearch D3.js, DC.js, Plotly, kibana, matplotlib, ggplot, Tableau. * Others: Regular Expression, HTML, CSS, Angular 6, Logstash, Kafka, Python Flask, Git, Docker, computer vision - Open CV and understanding of Deep learning.Education Details Database Management Oracle 8.x/9.x, SQL Server 2008, MS Access, MySQL

Languages

JavaScript, Python, R, HTML, CSS, C++, C#, ASP, x86, PHP, SML, Ruby

Research and Planning Identifying Problems, Gathering Information, Developing Evaluations, Calculating Results

Cloud-Based Technologies AWS, Docker, Spark

SOFT SKILLS

Communication

Teamwork

Flexibility

Confidence

Problem Solving

Self-management

## VOLUNTEER EXPERIENCE

Volunteer Camp Instructor

FireTech Summer Camps

Courses Taught

- Coding Games with Java

- Python and Electronics with Minecraft • Teen Coding with Python

INTERESTS

Artificial Intelligence

Robotics

Video Games

Traveling