Mark George Industry Data:

# Ideal Job: Cyber Security

What are the Job Titles for your group's ideal jobs? How do each of these rank in terms of demand from employers?

Victor: Multimedia Specialist and Web Developer

Matthew: Data Scientist

Kanav: Cyber Security Operations/Engineer

Connor: Computer system analyst

Quentin: Software Engineer

Mark (myself): Cyber Security Specialist

From the “Top IT Job Titles March 2018” pdf file.

1. Software Engineer
2. Web Developer
3. Computer system analyst

No statistics on Cyber Security or Data scientist

From your group's ideal jobs, you can identify a set of skills required for these jobs (we will refer to this as your group's required skill set). These can be divided into general skills (communication, problem solving, writing etc.) and IT-specific skills (JavaScript, SQL, etc.).

**Multimedia Specialist and Web Developer:**

* Writing computer programs for various purposes.
* Using logic and reasoning.
* Analysing product requirements to create a design.
* Giving full attention to what others are saying.

**Data Scientist:**

* Statistics.
* At least one programming language – R/ Python.
* Data Extraction, Transformation, and Loading.
* Data Wrangling and Data Exploration.
* Machine Learning Algorithms.
* Advanced Machine Learning (Deep Learning)
* Big Data Processing Frameworks.
* Data Visualization.

**Cyber Security Operations/Engineer/specialist:**

* Problem-Solving Skills.
* Technical Aptitude.
* Knowledge of Security Across Various Platforms.
* Attention to Detail.
* Communication Skills.
* Fundamental Computer Forensics Skills.
* A Desire to Learn.
* An Understanding of Hacking.

**Computer system analyst:**

* Strong analytical skills.
* Attention to detail.
* Teamwork skills.
* Written and verbal communication skills.
* Interpersonal skills.
* Flexibility.
* Adaptability.
* Initiative.

**Software Engineer:**

* C++ Mastery
* Familiarity with game engine tools
* Optimising code
* Excellent Communication skills
* Familiarity with cloud-based services (AWS, Azure etc.)
* Full stack web development
* Broadcast visualisation technologies like Vizrt

How do the skills in your required skill set rank in terms of demand from employers?

My required skill set are:

* Problem-Solving Skills.
* Technical Aptitude.
* Knowledge of Security Across Various Platforms.
* Attention to Detail.
* Communication Skills.
* Fundamental Computer Forensics Skills.
* A Desire to Learn.
* An Understanding of Hacking.

From the “Top IT Job Titles March 2018” pdf file, not all the skill are listed, these are all the ones that are in order of most demand to least.

1. Communication Skills
2. Problem Solving Skills
3. Attention to Detail.

What are the three highest ranked skills which are not in your required skill set?

1. Organisational Skills
2. Writing
3. Teamwork/ Collaboration

Having looked at the Burning Glass data, has your opinion of your ideal job changed? Why or why not?

From the Burning Glass data, communication skills, problem solving skills and attention to detail are all in very high demand. Those are all skills that I most definitely possess and are conveniently skills required for my ideal job.

The data has done nothing but reenforce my choice of Cyber Security as my ideal job and career.