



A vibrant, stylized illustration of a crystal cave. The scene is filled with large, angular purple and blue crystals. In the center, a large, glowing blue and white energy orb or portal is visible. Several My Little Pony characters are positioned around the cave: Rainbow Dash is on the left, looking towards the center; Fluttershy is on the far left, looking towards the center; Pinkie Pie is at the bottom left, looking up; Rarity is at the bottom right, looking up; Applejack is on the far right, looking towards the center; Twilight Sparkle is on the right, looking towards the center; and a small green dragon-like creature is on the right, looking towards the center. The background features a dark purple cave floor and a large, glowing blue and white energy orb or portal in the center. The overall style is colorful and cartoonish, typical of the My Little Pony franchise.

# Looking for Cyber Unicorns

\$>whoami



**DANIEL**



@hellodanielting

- Current Job Seeker
- Previously,  
Senior Cloud Security Architect  
& Pentester at Trustwave
- Co-founded some startups
- Co-organise 2 Security Meetups
  - OWASP Melbourne
  - SecTalks Melbourne
- Co-organise of the  
OWASP AppSec Day, Australia  
( [appsecdays.io](http://appsecdays.io) )







*Hackers*





# 52 Different Roles



## Cyber Security Workforce Framework



[www.austcyber.com](http://www.austcyber.com)

### 1 Overview by Workforce Category

#### Number of Roles by Category



Analyse  
7



Collect and Operate  
6



Investigate  
3



Operate and Maintain  
7



Oversee & Govern  
14



Protect and Defend  
4



Securely Provision  
11

Click on an icon to browse related specialty areas and roles.

# Cybersecurity Career Pathway

There are many opportunities for workers to start and advance their careers within cybersecurity. This interactive career pathway shows key jobs within cybersecurity, common transition opportunities between them, and detailed information about the salaries, credentials, and skillsets associated with each role.

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## Common Cybersecurity Feeder Roles ⓘ

### Feeder Role

Networking

Software Development

Systems Engineering

Financial and Risk Analysis

Security Intelligence

## Core Cybersecurity Roles ⓘ

### Entry-Level

Cybersecurity Specialist / Technician

Cyber Crime Analyst / Investigator

Incident Analyst / Responder

IT Auditor

### Mid-Level

Cybersecurity Analyst

Cybersecurity Consultant

Penetration & Vulnerability Tester

### Advanced-Level

Cybersecurity Manager / Administrator

Cybersecurity Engineer

Cybersecurity Architect





31



9



33



OWASP DevSlop

## Jobs in Information Security (InfoSec)

Tanya Janca   Dec 27 '19 Updated on Mar 02, 2020 · 6 min read

#beginners

#informationsecurity

#career

#itsecurity

OWASP DevSlop  
@devslop

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### Jobs in Application Security:

- **Application Security Engineer**-you do a mix of all the things listed under AppSec and you are generally a full-time employee. This includes making customer tools, launching a security champion program, writing guidelines, and anything else that will help ensure the security of your organization's apps. I personally consider this the sweet spot, as I get to do changing and interesting work, and see the security posture improve over time. It is, however, usually a more senior role.

**SOC Analyst/Threat Hunter:** SOC analysts interpret output from the monitoring tools to try to tell if something bad is happening, while threat hunters go looking for trouble. This is mostly network based, and I'm not good at networks, otherwise I would have been all over this when I moved into security. The idea of threat hunting (using data and patterns to spot problems), is very appealing to my metric-adoring brain. Note: SOC Analyst is a junior or intermediate position and threat hunter is not a junior position, but if you want to get into InfoSec they are basically always hiring for SOC Analysts, at almost every company.

**Incident Response:** this area includes jobs as an incident manager (you boss everyone around and make sure the incident goes as smoothly as possible), and investigations (Forensics/DFIR). Investigating incidents related to insecure software is a topic I personally find thrilling; detective work is exciting! But with the stress it causes, it's not for everyone.

379  
JOBS

The screenshot shows the Seek website's job search interface. At the top, there are navigation links for 'Jobs', 'Courses', and 'Business'. The Seek logo is prominently displayed. Below the logo, there are tabs for 'Job Search', 'Profile', and 'Careers'. The 'Job Search' tab is active. Under the 'What' section, the search term 'cybersecurity' is entered in a text box, with a clear button (X) to its right. To the right of the search box, there is a dropdown menu currently set to 'Any Classification'. Below the search box, there are three filter buttons: 'All work types' with a downward arrow, 'paying \$0' with a downward arrow, and 'to \$200k+' with a downward arrow. At the bottom of the search results area, a grey bar indicates '379 jobs found'.

Jobs Courses Bus

seek

Job Search Profile Care

What

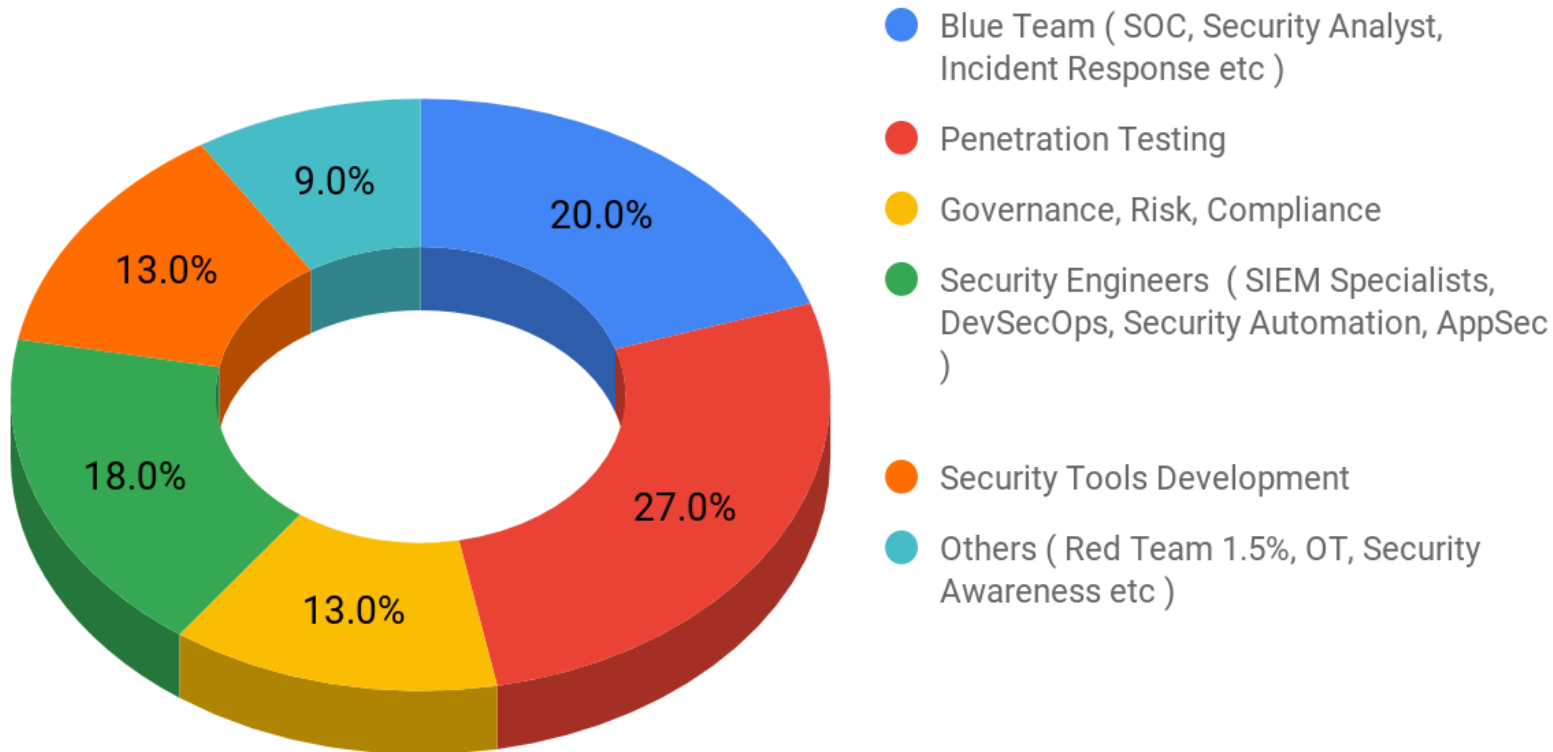
cybersecurity × Any Classification

All work types ▾ paying \$0 ▾ to \$200k+ ▾

379 jobs found

In March 2020

## CyberSecPeople: Roles Placement

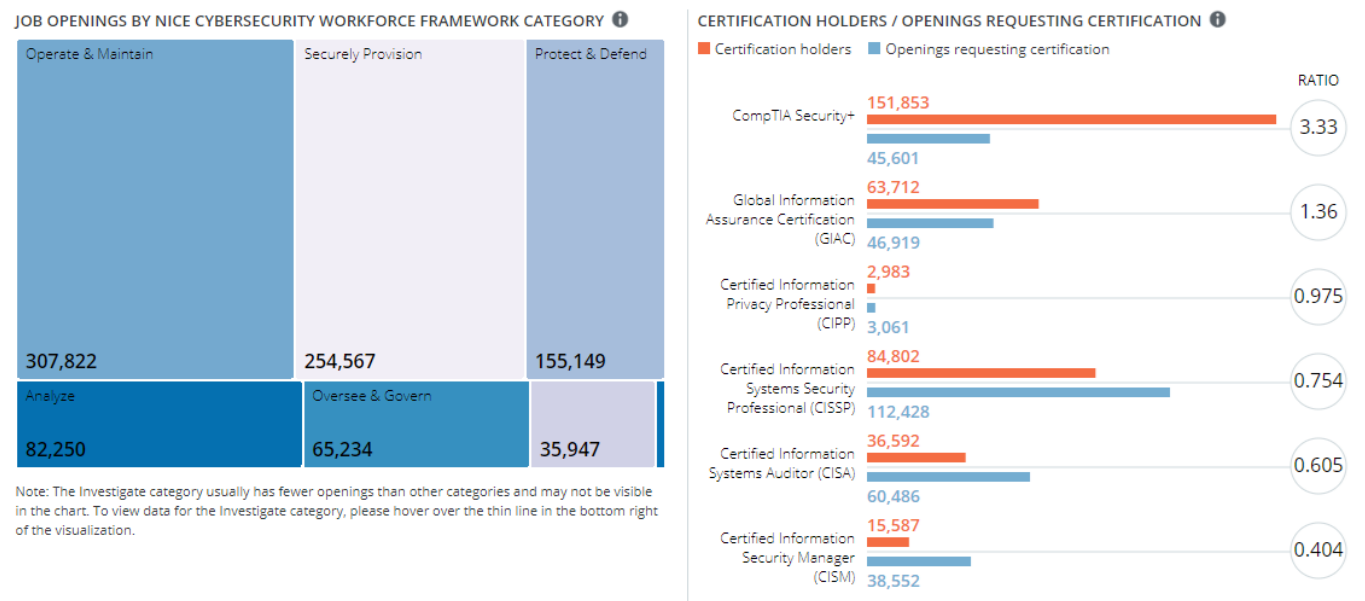
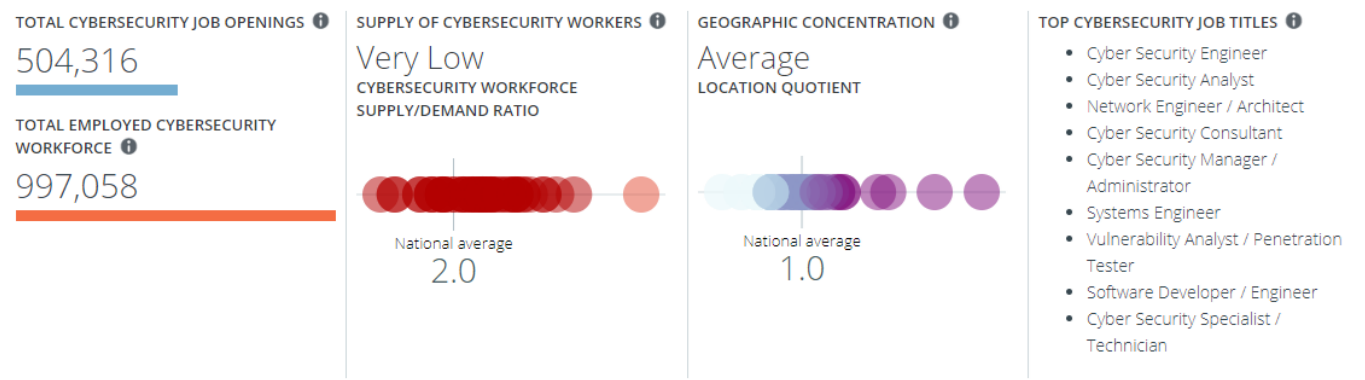


# USA Cybersecurity Supply/Demand Heat Map

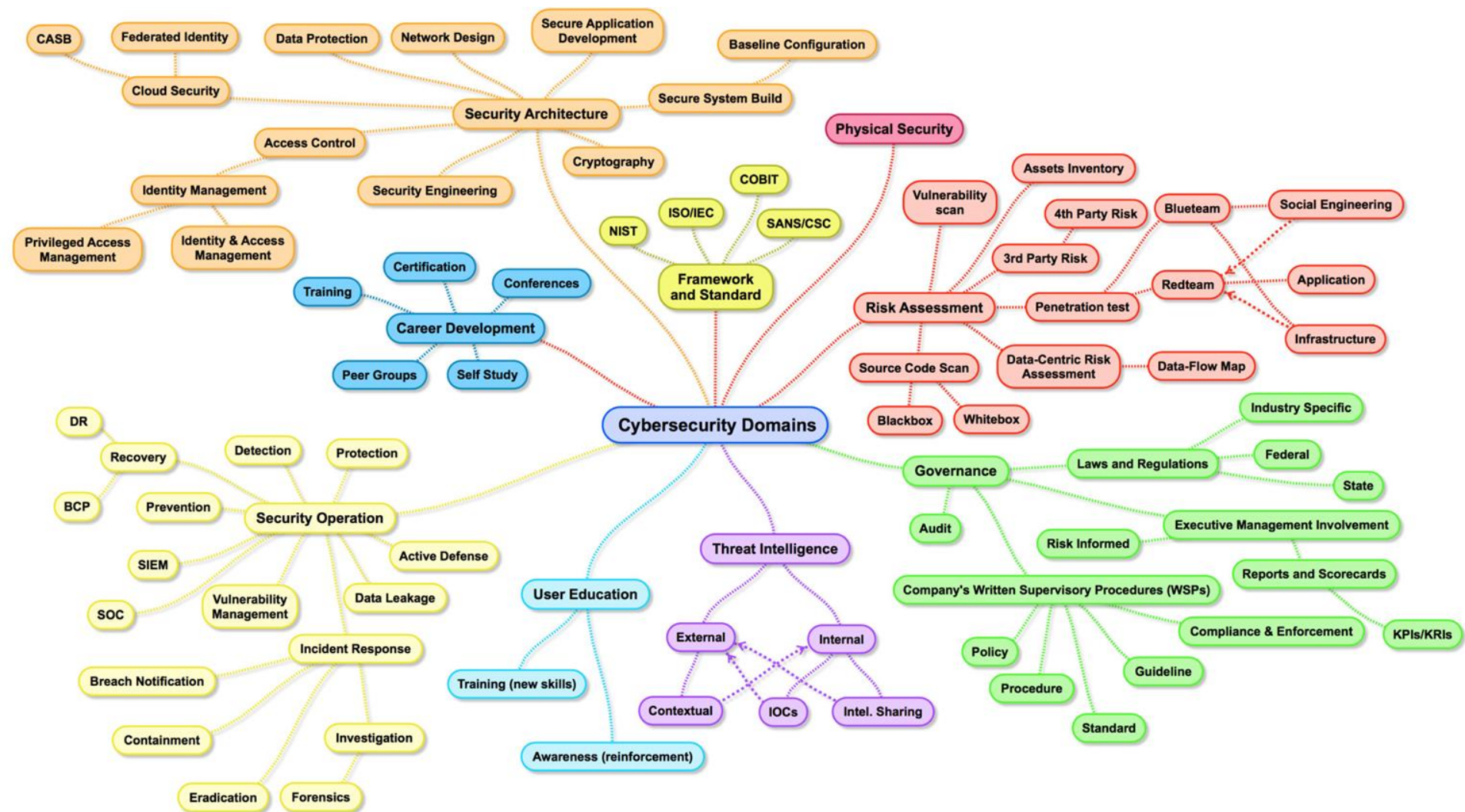
Cybersecurity talent gaps exist across the country. Closing these gaps requires detailed knowledge of the cybersecurity workforce in your region. This interactive heat map provides a granular snapshot of demand and supply data for cybersecurity jobs at the state and metro area levels, and can be used to grasp the challenges and opportunities facing your local cybersecurity workforce.

Source:  
<https://www.cyberseek.org/heatmap.html>.

## National level







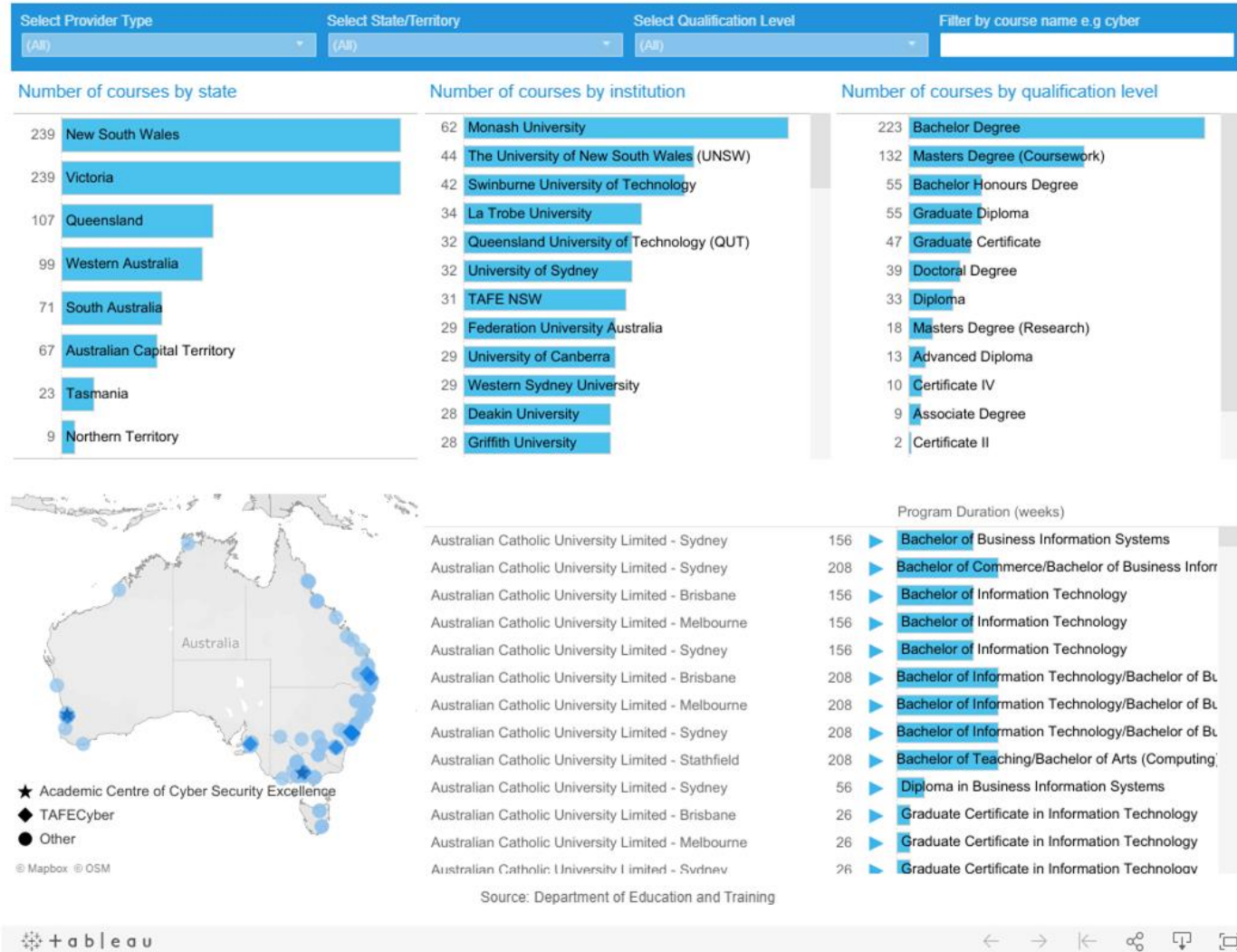
# 17,000

more workers needed by 2026





# AustCyber Education Map





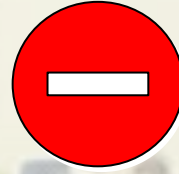


## Junior Cyber Security Specialist

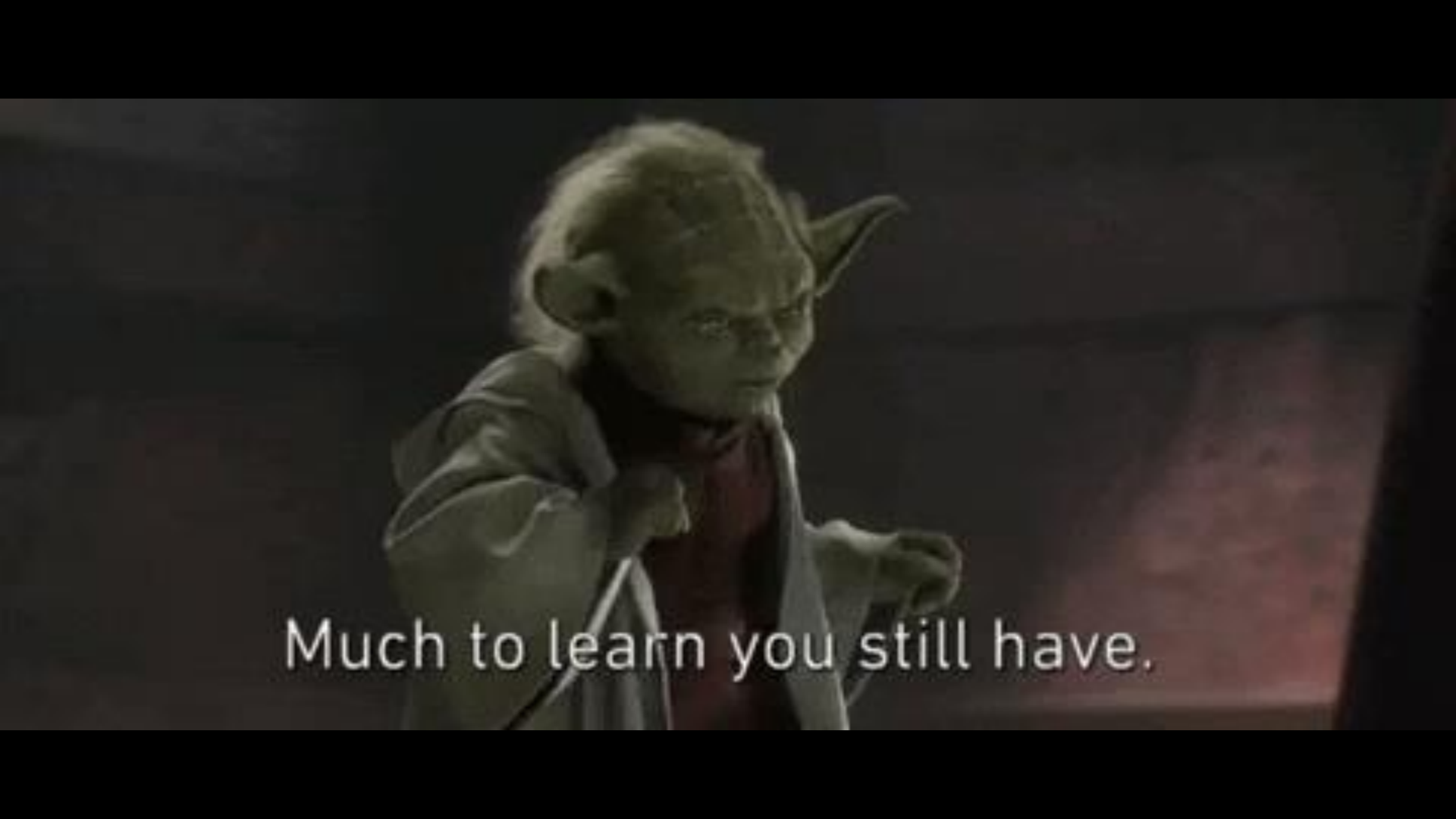
- Globally accredited Cyber AI Leader with rapid year-on-year growth
- Excellent training and advancement opportunities in Cyber Security
- Sydney CBD location

To be considered you will have...

- Bachelor's Degree in Science, Technical or Engineering.
- 1-3 years of industry experience or deep enthusiasm in cybersecurity.
- Excellent interpersonal and communication skills.
- Experience and proven ability to work both autonomously and in a team.
- Ability to work collaboratively in an innovative and fast-paced environment.
- Enthusiasm for innovation, experimentation, and self-development in the cybersecurity field.



**Access Denied**  
Insufficient Experience

A close-up shot of Yoda from Star Wars, looking slightly to the right with a serious expression. He is wearing his characteristic white robe over a red garment. The background is dark and out of focus, with a hint of a reddish light source on the right.

Much to learn you still have.





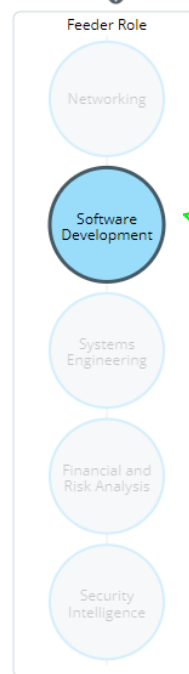


# Cybersecurity Career Pathway

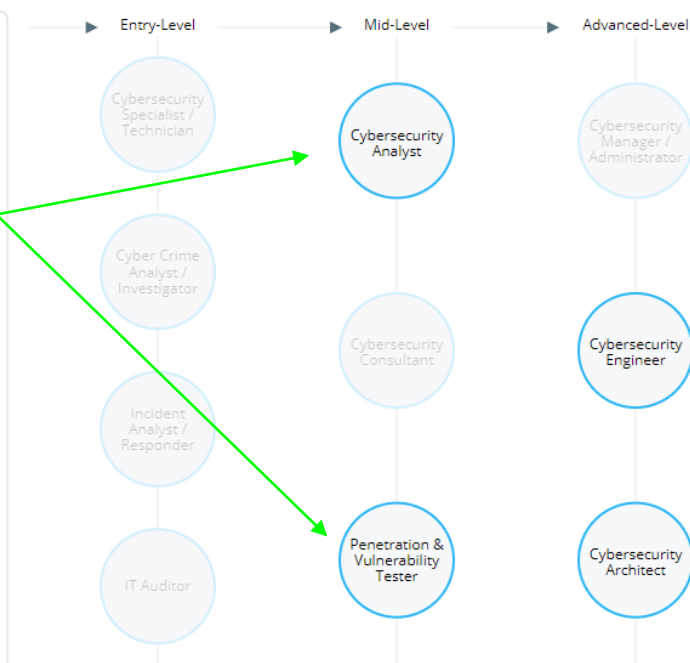
There are many opportunities for workers to start and advance their careers within cybersecurity. This interactive career pathway shows key jobs within cybersecurity, common transition opportunities between them, and detailed information about the salaries, credentials, and skillsets associated with each role.

[Share](#)[Embed](#)

## Common Cybersecurity Feeder Roles



## Core Cybersecurity Roles



## Software Development

### TOTAL JOB OPENINGS

1,221,732



### COMMON JOB TITLES

- Software Engineer
- .Net Developer
- Java Developer
- Software Developer

### TOP SKILLS REQUESTED

- 1 Java
- 2 Software Development
- 3 SQL
- 4 Software Engineering

### TOP CYBERSECURITY SKILLS TO ADD

- 1 Information Systems
- 2 Cryptography
- 3 Information Assurance
- 4 Security Operations









# Thank you.



@hellodanielting

# Acknowledgements

Special thanks to the following people,  
for making this talk possible.



- @CyRiseKirstin
- @pink\_tangent
- @CyberSecRicki
- @evildaemon
- @drunkrhin0
- @TanyaJanca
- @securitymeta\_
- @codingo\_

THANK YOU



# Resources

- <https://www.austcyber.com/resources/dashboards/NICE-workforce-framework>
- <https://www.austcyber.com/resources/dashboards/education-map>
- <https://www.linkedin.com/pulse/map-cybersecurity-domains-version-20-henry-jiang-ciso-cissp>
- <https://www.austcyber.com/resources/sector-competitiveness-plan/chapter3>
- <https://dev.to/devslop/jobs-in-information-security-infosec-kmb>
- <https://www.cyberseek.org/pathway.html>
- <https://www.cyberseek.org/heatmap.html>
- <https://bit.do/cybrarycodingo>

## APAC Community Resources

### APAC Cybersecurity Courses

<https://github.com/Infosec-Community/APAC-Qualifications>

### APAC Meetups

<https://github.com/Infosec-Community/APAC-Meetups>

### APAC Firms with Junior hires

<https://github.com/Infosec-Community/APAC-Firms>

### Want to chat?

Come say hello on Discord @hoodiePony, or reach me on Twitter @hellodanielting

End of presentation.



