MODERN MAKERS

PLAYER PROFILE

SAM
LEAD CYBERSECURITY ENGINEER, MXD

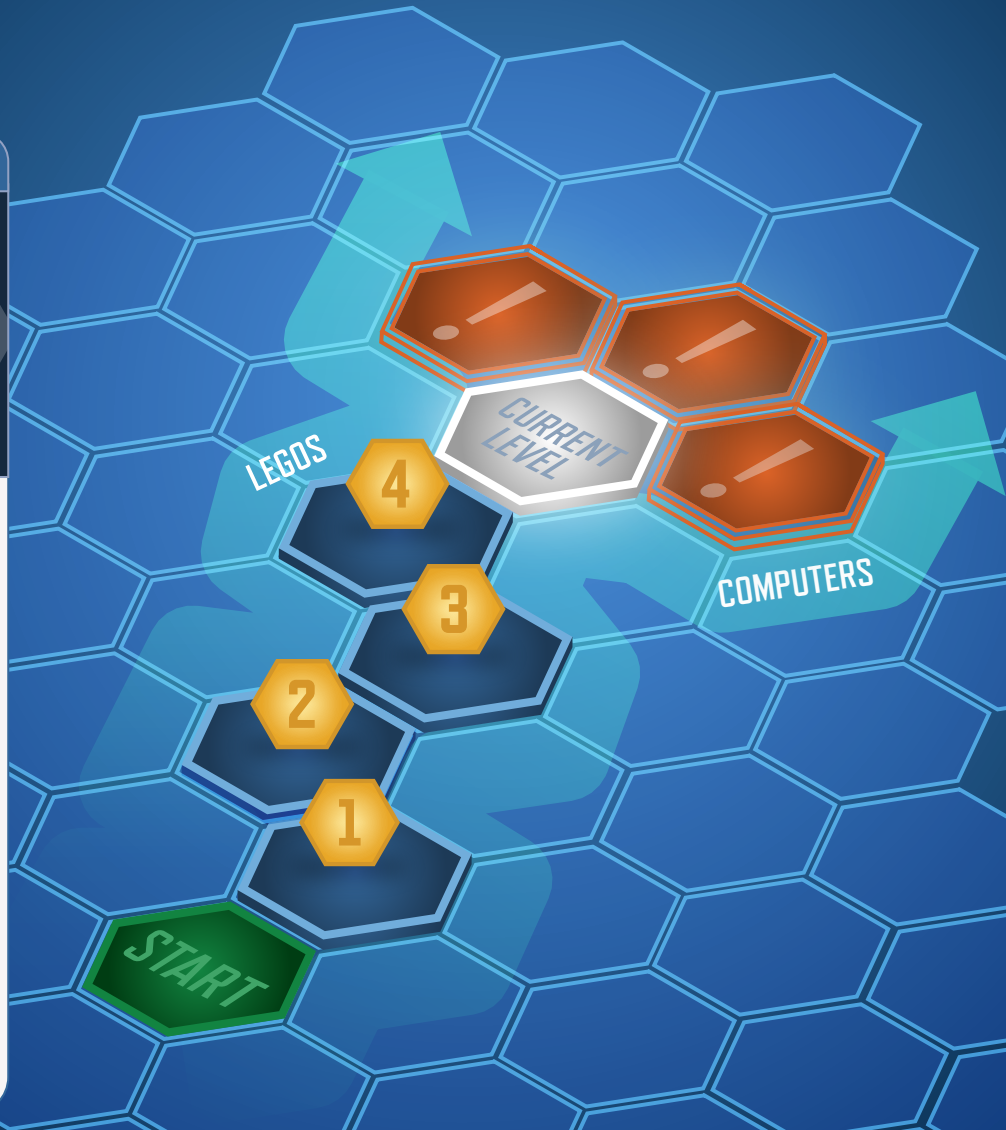## INTERESTS

LEGOS
- Attention-to-Detail
- Curiosity
- Creativity
- Architecture
- Organization
- Teamwork
- Concentration
- Project Management

COMPUTERS
- Digital Technology
- Innovation
- Analytical
- Problem-Solving
- Collaboration
- Resourceful
- Adaptive

LEGOS

COMPUTERS

CURRENT LEVEL

START

MXD
The Digital Manufacturing & Cybersecurity Institute

CURRENT JOBS
83,401

PROJECTED 5-YEAR DEMAND
24,789

NATIONAL AVERAGE SALARY
$151,700

SKILLS GAINED

- +1 Information Security Analysis
- +1 Network Security Management
- +1 Incident Response Planning
- +1 System and Network Monitoring
- +1 Security Policy Development
- +1 Firewall and Intrusion Detection
- +1 Systems Management
- +1 Cryptography
- +1 Regulatory Compliance
- +1 Security Architecture Design
- +1 Vulnerability Assessment
- +1 Access Control Management
- +1 Security Awareness Training
- +1 Project Management
- +1 Collaboration and Teamwork
- +1 Communication Skills
- +1 Problem-Solving Abilities

1
EXPERIENCE:
"CYBER SURETY" ROLE IN THE U.S. AIR FORCE

SKILL GAINED:
- +1 Cybersecurity Information Technology and Systems
- +1 Risk Management

2
STUDYING:
CYBERSECURITY

SKILL GAINED:
- +1 Coding
- +1 Network and System Administration
- +1 Data Analytics

3
JOB:
INFORMATION SECURITY OFFICER

SKILL GAINED:
- +1 Security Incident Monitoring and Response
- +1 Strategy and Planning
- +1 Collaboration

4
JOB:
CYBERSECURITY ENGINEER HELPING MANUFACTURERS

SKILL GAINED:
- +1 Communication
- +1 Consulting
- +1 Teamwork

MODERN MAKERS

CAREER PATHWAYS

ALTERNATE CAREERS FOR: **LEAD CYBERSECURITY ENGINEER**

NETWORK ARCHITECT ⚠️

CURRENT JOBS
175,132

PROJECTED 5-YEAR DEMAND
60,623

NATIONAL AVERAGE SALARY
$140,600

SKILLS GAINED
- ▶ Network Design and Management
- ▶ Router and Equipment Setup
- ▶ Security Tools
- ▶ Cloud Systems Management
- ▶ Network Testing and Compliance
- ▶ Programming Languages

SUPPLY CHAIN SECURITY ANALYST ⚠️

CURRENT JOBS
178,607

PROJECTED 5-YEAR DEMAND
83,184

NATIONAL AVERAGE SALARY
$130,300

SKILLS GAINED
- ▶ Risk Assessment Tools
- ▶ Supply Chain Monitoring
- ▶ Compliance Software
- ▶ Inventory Tracking and Systems Management
- ▶ Threat Intelligence and Analysis

SYSTEMS INTEGRATION ENGINEER ⚠️

CURRENT JOBS
636,881

PROJECTED 5-YEAR DEMAND
189,580

NATIONAL AVERAGE SALARY
$119,200

SKILLS GAINED
- ▶ System Connections and Data Transfer
- ▶ Programming and Code Management
- ▶ Database Management
- ▶ Testing Tools
- ▶ System Design
- ▶ Issue Troubleshooting

* Currrent Jobs and Projected 5-Year Demand numbers reflect the total from:
- SOC 17-2061, Computer Hardware Engineers
- SOC 15-1212, Information Security Analysts
- SOC 15-1240, Database and Network Administrators and Architects