MODERN MAKERS

PLAYER PROFILE

AEON
SOFTWARE APPLICATIONS ENGINEER

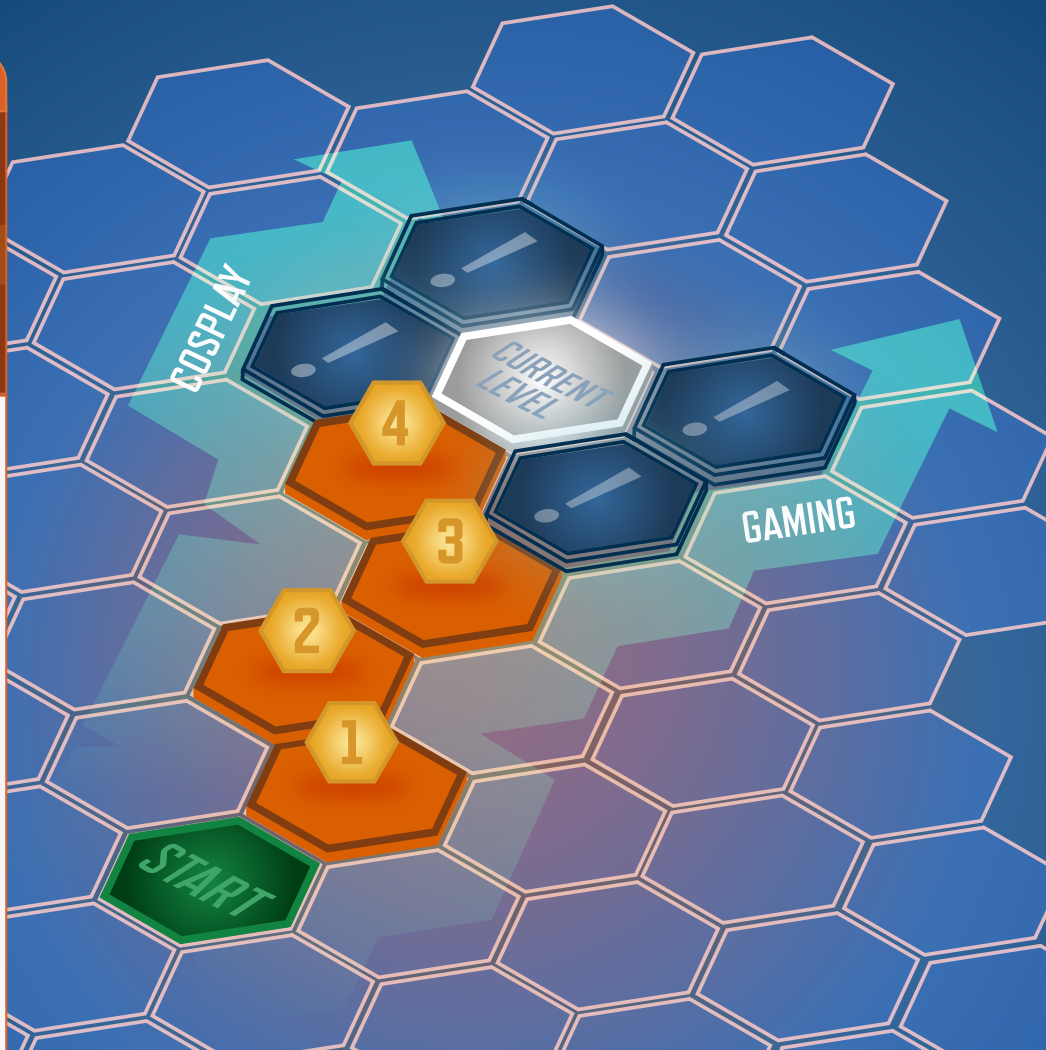### INTERESTS

GAMING
- Teamwork
- Leadership
- Programming
- Program Development
- Solving Technical Problems
- Project Management
- Social Skills
- Critical Thinking
- Concentration
- Multitasking

COSPLAY
- Creativity
- Problem Solving
- Manage People
- Design
- Communication
- Strategizing
- Collaboration
- Decision-Making
- Social Skills

COSPLAY

GAMING

CURRENT LEVEL

4

3

2

1

START

CURRENT JOBS
1,600,000

PROJECTED 5-YEAR DEMAND
679,000

NATIONAL AVERAGE SALARY
141,000

SKILLS GAINED
- +1 Collaboration
- +1 Communication
- +1 Creativity
- +1 Concentration
- +1 Critical Thinking
- +1 Decision-Making
- +1 Leadership
- +1 Machine Learning
- +1 Multitasking
- +1 Programming
- +1 Project Management
- +1 Social Skills
- +1 Manage People
- +1 Problem Solving
- +1 Program Development
- +1 Solving Technical Problems
- +1 Strategizing
- +1 Teamwork

Based on 2023 Q4

1
EARLY CLASS:
GAME DEVELOPMENT

SKILL GAINED:
- +1 Programming
- +1 Design
- +1 Creativity

2
HS CLASS:
INSTITUTE OF TECHNOLOGY

SKILL GAINED:
- +1 Critical Thinking
- +1 Machine Learning
- +1 Strategizing

3
STUDYING:
COMPUTER SCIENCE

SKILL GAINED:
- +1 Project Management
- +1 Problem Solving
- +1 Design

4
JOB:
GAME TESTING

SKILL GAINED:
- +1 Creativity
- +1 Communication
- +1 Problem Solving

CAREER PATHWAYS

ALTERNATE CAREERS | SOFTWARE APPLICATIONS

ELECTRONICS TECHNICIAN

CURRENT JOBS
102,000

PROJECTED 5-YEAR DEMAND
49,000

NATIONAL AVERAGE SALARY
75,000

SKILLS GAINED
- ▶ Analytical or Scientific Software
- ▶ CAD Software
- ▶ Development Environment Software
- ▶ Industrial Control Software
- ▶ Object- or Component-Oriented Development Software
- ▶ Program Testing Software

ROBOTICS INTEGRATOR/ TECHNICIAN

CURRENT JOBS
15,000

PROJECTED 5-YEAR DEMAND
6,000

NATIONAL AVERAGE SALARY
70,000

SKILLS GAINED
- ▶ Analytical or Scientific Software
- ▶ CAD/CAM Software
- ▶ Industrial Control Software
- ▶ Object- or Component-Oriented Development Software
- ▶ Program Testing Software, Operations Monitoring
- ▶ Operation and Control

QUALITY ASSURANCE ANALYST AND TESTER

CURRENT JOBS
201,000

PROJECTED 5-YEAR DEMAND
87,000

NATIONAL AVERAGE SALARY
112,000

SKILLS GAINED
- ▶ Programming
- ▶ Data Privacy and Protection
- ▶ Information Systems/Network Security and Privacy
- ▶ Information Assurance
- ▶ Software Development
- ▶ Systems Testing and Evaluation
- ▶ Conducting Vulnerability and Risk Assessments

SILICON PHOTONICS DESIGN ENGINEER

CURRENT JOBS
<167,000*

PROJECTED 5-YEAR DEMAND
<50,000*

NATIONAL AVERAGE SALARY
75,000

SKILLS GAINED
- ▶ RF/VLSI/Photonic Integrated Circuit Design, Modeling, Layout, CAD Software
- ▶ Photonic Integrated Circuit Device Testing and Validation
- ▶ Fiber/Waveguide Coupling and Assembly
- ▶ Programming (Python, C++)
- ▶ Understanding of Optics/ Electromagnetics

Based on 2024 Q1 reports

* Current Jobs and Projected 5-Year Demand numbers reflect the total for SOC Code 17-2199, All Other Engineers