

# Alexander Paul Szelestey

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**Objective:** I am a Marine Corps veteran with a passion for programming and a knack for design ready to take on any job big or small.

## Skills

- Professional Experience: C/C++, Java, Ada, Tcl, CMake/POM, Gears, Coverity, JUnit, Cpp Unit Test
- Web Experience: CSS, HTML, Java OpenGL, WebGL, JavaScript
- Software Experience: Unix/Linux, ClearCase, ClearQuest, Git, BitBucket, JIRA, Docker, Jenkins
- AGILE environment, Working in small teams, Scrum
- Leadership, management, adaptability, self-sufficient, and critical thinking skills.

## Career Profile

Currently working for a Lockheed Martin subcontractor in Moorestown, NJ as a Software Engineer, actively holding a secret security clearance working on the Aegis Combat System. I have a bachelor's degree in Computer Science and a minor in cyber security. Lastly, I was a fully qualified Aircraft Mechanic in the United States Marine Corps.

## Professional Experience

**ASRC Federal, Moorestown, NJ**

**November 2020 - Present**

Software Engineer

ASRC Federal is a subcontractor to Lockheed Martin. Where we develop, code, and test with the Aegis combat system. Working in an Agile environment to develop and maintain code in accordance with specifications. Working in a team environment and independently to consistently meet product design requirements within scheduled deadlines.

- Working on new development (creating windows and messaging).
- Working on stability items.
- Conduct peer code reviews.
- CPP and Java Unit Test Subject Matter Expert.
- Develop and debug in a Unix/Linux Environment.
- Formulate procedures for Integration and Regression Testing code.
- Promoted from Associate Software Engineer on March 2022 out of cycle for my efforts on multiple projects and ability to train people.

## Education

**University of Maryland Global Campus,**

**January 2016 - May 2020**

Bachelor of Science, Major in Computer Science, Minor in Cybersecurity

Graduated Cum Laude (3.89 GPA)

Relevant Coursework:

- Studying object-oriented and concurrent programming in Java.
- Designing and analyzing computer algorithms with Big-O estimates.
- Rendering graphic images and animating 2D and 3D objects
- Full stack web development - SDLC concepts.

## Awards and Achievements

**Military Awards** - Awarded the Navy & Marine Corps Achievement Medal, Marine Corps Good Conduct Medal, National Defense Service Medal, Global War on Terrorism Service Medal, Sea Service Deployment Ribbon, Certificate of Commendation, and two Letters of Appreciation.

**ASRC Federal Awards** – Awarded three Certificates of Appreciation (July 2021, Sept 2021, and July 2022). Awarded the POLARIS 2021 Service Excellence Through Teamwork. Meritoriously promoted to Software Engineer.

## Military Service

### United States Marine Corps,

January 2012 - January 2020

Honorably Discharged as a Sergeant (E-5). I served 5 years of Active Duty and 3 years in the Reserves; while holding a Secret Security Clearance. I have been all over the world fixing and flying on the CH53E Super Stallion Helicopter. As a fully qualified Aircraft Mechanic and Aircrew, it was my duty to troubleshoot complex systems and mentor junior Marines.

## Professional Projects (2020 - Present)

### C++/Java/CMake/Unit tests/etc/

Developed, coded, tested, and deployed multiple high-level projects for Lockheed Martin; to include: LUSV, Precision Strike Missile (PrSM), HIMARS, THAAD, PAC-3, ICS, and ship configuration for various naval vessels.

- Cpp is used as the background framework for the GUI windows created
- Java is used for the front-end design of the GUI windows

### Web Development

#### FaZe Up Nutrition

- Designed a multi-page website for a new supplement store in eastern PA
- Created a database for inventory and customer identification

## College Projects (2018-2020)

### C

#### Meteorological Data – March 2018

- Input and store up to 5 years of data into an array
- Calculate the average rainfall for each year

### C++

#### An Expression Interpreter – October 2019

- Processing multiple arithmetic expressions from a text file

#### Multiple Classified projects while working at ASRC Federal

- Cpp is used as the background framework for the GUI windows created

### Java

#### Sea Port – December 2019

- Multithreading concurrency to the movement of hypothetical ships
- Moving ships into port when required workers are available
- Synchronization to avoid race conditions
- Each job holds a required synchronization lock for a short period

#### Bubble Sort – May 2020

- Benchmark the recursive and iteration function using the bubble sort algorithm
- Identify the number of critical operations and time in nanoseconds
- JVM warm-up, Big-O analysis, analyze coefficient of variance

#### Java 2D Graphics – January 2020

- Rotate, scale, and translate images across the screen

#### Java OpenGL (JOGL) 3D Scene – February 2020

- Graphic components using transformation methods

#### Multiple Classified projects while working at ASRC Federal

- Java is used for the front-end design of the GUI windows

### JavaScript

#### Three.js – 3D Deadlift animation – February 2020

- Radiobutton that loads or unloads the bar
- 360-degree view of animation and lighting effects

WebGL – 3D Soccer Player – March 2020

- Animation of soccer player kicking various items of the users choosing
- The scene includes lighting, textures, frame buffers, and multiple objects

**Full Stack Web Development**

Hotel Management Services – May 2020

- Front-end: HTML/CSS, JavaScript, and Bootstrap
- Backend: node.js and express.js as a framework
- Database: MySQL
- 5-person team utilizing SDLC, waterfall model