

Oleksandr (Sasha) Pimenov

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SUMMARY OF QUALIFICATION

Software Engineer with 3 years of professional experience. Hold Secret Clearance. Well versed in OOP and best coding practices using C++. Passionate about engineering high quality software. AI enthusiast. Determined. Good team-player, excel at working independently. Life long learner.

WORK EXPERIENCE

[SRC inc](#), Syracuse NY - 06/2018 – Present

STELR Software Engineer at Radars And Sensors Division

- Designed and developed real time video processing application running on Nvidia Jetson AGX board. C++17, cmake3, IpxSDK, OpenCV, Darknet, TinyYoloV4, ZMQ, Protobuf
- Added joystick controller to an advanced optical system simulator. C++17, Python, JavaScript, CentOS, Docker, AirSim+Unreal Engine
- Designed and developed radar mode switching system to work with novel mode generation. C++17, Waf, Linux OS
- Combined two radar applications into a single software base to decrease maintenance cost, streamline feature development, and simplify common bug fixes. C++17, Waf, Linux OS
- Accepted into the SRC's internal Science Technology Engineering Leadership Rotational (STELR) program.
- Updated legacy radar field calibration application to support tech refresh system. JavaScript, Php, postgresql
- Updated suite of applications supporting radar post manufacturing testing process. Matlab, Java, Bash
- Ported features from a family of related products into a unified code base. QNX, C++11, Waf

[BovControl](#), Boston MA - 05/2017 – 05/2018

Android developer. Developed a farm boundaries geolocation tracking app.

[White-Canvas](#) Boston, MA - 2016

Co-founded an on-line store for food photography enthusiasts.

[Real Estate Development](#), Newton, MA 2008 – 2015

Assistant manager. Work scheduling and orchestration.

EDUCATION

- University of Massachusetts, Boston — M.S in Computer Science, 2015 - 2018
 - GPA 3.96 · Dean's list · 7th at 2016 ACM Boston Preliminary Programming Contest
- Kryvyi Rih National University, Ukraine. M.S/B.S in mining engineering 2003 - 2008
 - Graduated summa cum laude, 4.0 GPA, Alexander Poll stipend recipient.

LEADERSHIP EXPERIENCE

- KR Technical University “BRAIN RING” team captain. September 2005 - June 2007
Recruited promising candidates, scheduled and organized team trainings, directed team's discussion path, picked the most promising answer.
- [SRC inc](#) 2018 – organized and directed a chess club.