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[GitHub](#)

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Experience

Software Engineer, AMC Bridge — Jun 2021 - Present time

- **Project 4: Metal processing desktop application (CAD-like) [2023-present time]**

Tech stack: C++, Boost, WIndows API

Responsibilities:

- Developing new functionality for existing platform
- Develop and implement algorithms that solve different kind of geometry related problems (finding position of the part depending on the different circumstances, tools orientation and so on.)

- **Project 3: Server-based application for constructions design [2022 - 2023]**

Tech stack: C#, .NET

Responsibilities:

- Developing new functionality for existing platform

- **Project 2: CLI application for data storage [2022]**

Tech stack: Python, Amazon EC2 API, Docker

Responsibilities:

- Developing CLI application using Amazon API
- Was involved in software designing activities

- **Project 1: Server-based application for 3D printing. [2021 - 2022]**

Tech stack: Python, gRPC, TCP/IP stack, networking, Python-AsyncIO

Responsibilities:

- Developing server side application
- Researching activities

Software Engineer, FortifyIQ — Jan 2019 - Jun 2021

Desktop cross-platform (Windows and Linux) application for hardware designs evaluation.

Tech stack: C++, Qt, Boost, STL, Python, GNU/Linux, bash, CLI tools, NVim, LSP server

Responsibilities:

- Developing crypto analysis algorithms in C++
- Reading scientific papers for further algorithms implementation
- Was involved in GUI development
- User plugins integration
- User scripts integration (Python)

Freelancer, Sep 2018 - Jan 2019

A few scrappers for data collection integrated with Web-application

Tech Stack: Python, Scrappy, Django, Flask

Responsibilities:

- Development based on client specifications

Education

Master degree of applied sciences in cybersecurity at National Technical University of Ukraine "Kyiv Polytechnic Institute" 2015-2020

Skills

C++14/17/20, Qt, Boost; Python, AsyncIO, PyQt, gRPC, Django, Flask, Scrappy; C++ and Python integration (Boost, PyBind), Proficient with integrating and using modern AI services and cloud providers.

Other: Google Summer of Code 2018 successful student. ([Link to my project](#))
