

GENNADII SYTOV

SOFTWARE
ENGINEER

Location: Chicago, IL area
Phone: (224) 322-7306
Email: gv@sytov.net
Website: <https://sytov.net/>
Github: <https://github.com/albicant>

EDUCATION

B.Sc: Computer Science, Minor in Mathematics

SEP 2017 – MAR 2020

Portland State University – Portland, OR

- Honors: *summa cum laude* (GPA: 3.93/4.0)
- Coursework highlights:
 - Internetworking Protocols, Computational Structures, Advanced Programming w/ Java, Applied Statistics for Engineers, Cryptography

CERTIFICATIONS

Building Scalable Java Microservices

APR 2020

with Spring Boot and Spring Cloud

WORK EXPERIENCE

Software Developer Intern

MAY 2019 – AUG 2019

Google Summer of Code 2019

Computational Geometry Algorithms Library (CGAL)
Project – Portland, OR (Remote)

C++ 11, OOP, Quadratic
Programming, Generic
Programming

- Developed the Generalized Global Regularization package for CGAL under the supervision of Dr. Dmitry Anisimov
- Implemented the shape regularization algorithm for the application of various geometric primitives based on user-defined types of regularization and methods for querying neighbors
- The package comes with classes that work on 2D segment sets

CAPSTONE PROJECT

Perception: Closed Captioning Encoder for Amazon Web Services Elemental Live

JUN 2019 – DEC 2019

Python 3.7

- Headless web application for encoding caption data to CEA-608 byte pairs and logging the data as JSON to a file
- Carried out research, design and development as part of an Agile team
- Main researcher of CEA-608 in a 8-member team
- Created byte pairs by hand, as well as programmed the core functionality for constructing byte pairs

SKILLS & QUALIFICATIONS

- **Programming Languages:** C, C++, Java, Python, JavaScript, R, Bash, SQL
- **Databases/DBMS:** MySQL, PostgreSQL, Cloud SQL
- **Tools:** git, vim, gcc, g++, gdb, valgrind, make, cmake, doxygen, junit, maven, mockito, Javadoc, Java EE, Google Cloud, Spring Boot
- **Operating Systems:** UNIX/Linux, macOS, Windows, xv6
- **Proficient in:** Object Oriented design, generic programming, Test Driven Development, REST, TCP/IP
- **Familiar with:** Quadratic programming, Boost C++ library, socket programming, multi-threading, concurrency control, microservices