

Anastasia Sokol

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Software Developer | Chicago IL | github.com/anastasiajsokol | www.anastasiajsokol.com

EDUCATION

Colorado School of Mines Graduating May 2026
Bachelor of Science in Computer Science
Illinois Institute of Technology Spring 2022
Data Structures and Algorithms Course

WORK EXPERIENCE

Web Developer for Compassion United Methodist Church (compassionumc.com) 2022 - 2023

- Designed user interface and page layout with a focus on supporting a variety of devices
- Created dynamically generated background animations representing church's dual role as an art gallery
- Integrated site with the churches weekly live streamed worship services
- Gained experience using HTML5, CSS, Javascript, and Python

RELEVANT SKILLS

Programming Ability

- Performant, maintainable, and idiomatic C++ 20, C, Rust, and Python
- Functional and clean Java, Haskell, and Javascript
- Embedded low level design in C mixed with x86, ARM, or Z80 assembler

Software Project Management

- Writing readable and complete documentation using HTML or Markdown
- Unit testing using Catch, Google Test, Cargo, and other tools

PROJECTS

Fragment - Final Project for CSCI 200 2023
Designed a functional programming language named Fragment and wrote an interpreter in C++17

StaticLock - Personal Project 2023
Toolchain for creating password-protected static websites without a trusted oracle, Python and Javascript

CO CURRICULAR ACTIVITIES

Bionic Bulldogs Robotics 2018 - 2023

- Led redesign of Java code base to increase functionality, usability, documentation, and maintainability
- Created a custom block based programming language to teach children to program our robot
- Helped members learn to program from fundamentals to general best practices

Scouts BSA 2011 - 2023

- Senior Patrol Leader serving 2 years as the youth leader of Troop 90, managing all events and activities
- Patrol Leader 4 years leading a team planning and executing campouts, service projects, and meetings

Order of the Arrow 2019 - Present

- Planning committee for the annual Spring Fellowship camping and service weekend

AWARDS

Eagle Rank Scouts BSA 2023

- Designed and completed community project with 28 volunteers and 220+ hours of work over 3 months
- 7 years in troop leadership roles and BSA merit certification in 32 skills

Perfect Score AP Computer Science Principles Exam 2021

- 1 of 335 students nationally