

# NICHOLAS SYNOVIC

6230 North Kenmore Avenue Apt. 408 · (224) 501-8485

[nicholas.synovic@gmail.com](mailto:nicholas.synovic@gmail.com) · [nicholassynovic.github.io](https://nicholassynovic.github.io)

## EXPERIENCE

SEPTEMBER 2020 – PRESENT

**UI DEVELOPER, LOYOLA UNIVERSITY CHICAGO COMPUTER SCIENCE DEPARTMENT**

- Lead a team of three people responsible for the business operations of the Software System Laboratory (SSL) Research Group.
  - Responsibilities included: Developing Code of Conduct standards, processes for accepting new members, and creating and implementing laboratory wide leadership structures.
  - Resulting in a documented and executable processes to ensure that the standards of SSL are maintained and enforced as students enter and leave the program.
- Co-lead a group of four that is developing an open-source metric solution to report and visualize defect density, issue spoilage, and project health of any GitHub hosted project.
- Used HTML5, CSS, JavaScript, Python, and Content Management System (T4) to design, develop, and publish profiles, articles, and content.
- Integrated Travis CI to build a continuous integration pipeline to deploy converted ReStructuredText files into production.

AUGUST 2020 – PRESENT

**BOARD MEMBER, CHICAGO AREA UNDERGRADUATE RESEARCH SYMPOSIUM INTER-SCHOOL BOARD**

- Worked with a team to market and find sponsors for the Chicago Area Undergraduate Research Symposium (CAURS).
  - Found virtual presentation platforms to host CAURS virtually, marketed CAURS to universities, and reviewed presentation applications resulting in a fully operational, completely virtual CAURS.

DECEMBER 2019 – PRESENT

**INDEPENDENT RESEARCH PROJECT, LOYOLA UNIVERSITY CHICAGO**

- Developed a Python tool chain for collecting and understanding data from Congress.gov using network analysis.
  - Involved: Web scraping and data mining, graph database modeling and implementation, and network analysis.
  - Resulted in a network analysis of the legislature and representatives of Congress.

MAY 2019 – JUNE 2019

**BIOMEDICAL RESEARCHER, LOYOLA UNIVERSITY CHICAGO FYRE PROGRAM**

- Researched and create hardware and software to measure the startle reflex of mice
- Simulated hardware using the MatLab and Simulink software suites

## SKILLS

- Languages: Java, Python, SQL, JavaScript, HTML, and CSS
- Source Code VCS: Git, GitHub, and BitBucket
- Containerization: Docker
- CI/CD: Travis CI and GitHub Actions
- Leader and Team Player
- Researching and Critical/ Analytical Thinking
- Business Writing and Communication

## EXTRA CURRICULAR

DECEMBER 2019 – PRESENT

**VP OF COMMUNICATIONS, ETA OMEGA CHAPTER OF BETA THETA PI**

## EDUCATION

EXPECTED GRADUATION MAY 2022

**BACHELOR'S IN COMPUTER SCIENCE, LOYOLA UNIVERSITY CHICAGO**

- GPA: 3.281
- 2020 Deans List Recipient
- 2<sup>nd</sup> Place at the 2019 LUC CS Fall Student Showcase

