

NICHOLAS SYNOVIC

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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, designing the processes for accepting new members, and creating and implementing laboratory wide leadership structures.
 - Resulted 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 developed an open-source metric solution to report and visualize defect density, issue spoilage, project health, and productivity 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

- Work 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 into and created hardware and software to measure the startle reflex of mice.
- Simulated hardware and software integration using the MatLab and Simulink software suites.

SKILLS

- Languages: Java, Python, and JavaScript
- 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
- 2nd Place at the 2019 LUC CS Fall Student Showcase