

Josef Zaggoti

josefzaggoti@gmail.com | jzaggoti@hawk.iit.edu | 1 (773) 225-4763 | Wood Dale, Illinois

[linkedin.com/in/josef-zaggoti-a1609b111/](https://www.linkedin.com/in/josef-zaggoti-a1609b111/) | github.com/josefzaggoti

Currently a senior attending university looking for a part-time software engineering position during the school year. I am inspired by technology and driven to solve every problem effectively and creatively.

EDUCATION

Illinois Institute of Technology: Chicago, IL
Bachelor of Science in Computer Science
Minor in Business Administration

Aug 2017 - May 2021
Major GPA: 3.75/4.00

PROJECTS

Minimal MIPS Disassembler Jan 2019 - May 2019

- Created a disassembler in C that reads binary instructions and converts and formats them into MIPS code.
- Used unions and structs to efficiently separate data and minimize work needed to make small changes.
- Program keeps track of the target locations' virtual memory addresses associated with each instruction.

Parking Spot Reservation Web Application Jan 2020 - May 2020

- Created a functioning web application allowing users to reserve parking spots based on their preferences.
- Used PHP to handle web pages, secure data transfer, and private account based viewing of user data.
- Created databases in PostgreSQL to efficiently store parking lot and user account information.

Interprofessional Agile Project (Public Safety) Aug 2019 - Dec 2019

- Worked in a team of students, following the Agile project structure to create a solution to package theft.
- Created a final physical product after several iterations, trying out new ideas each time.
- Our team was one of the few out of many teams chosen to present our product to entrepreneurs.

Database for a Medical Clinic Jan 2019 - May 2019

- Created a database and an interface for a potential medical clinic, usable by doctors, staff, and patients.
- Carefully examined and simplified user roles and used PostgreSQL to create the structure of the database.
- Created an easy-to-use text based interface to interact with and query the database in Python.

Traffic Stop Light Simulator Jan 2018 - May 2018

- Developed a program that can simulate many street intersection scenarios with various amounts of traffic.
- The program was created in Java and used object-oriented programming techniques to create vehicles.

Raspberry Pi Sense HAT Mini Games Aug 2017 - Dec 2017

- Created multiple minigames that can be played on a Raspberry Pi Sense HAT and utilized all the hardware.
- Used Python with API's to program each pixel, use the joysticks, accelerometers, thermometer, and more.

LANGUAGES, SKILLS, AND TOOLS

Programming Languages: C, C#, Java, Python, Haskell, R

Database Management: PostgreSQL

Markup Languages: HTML(+ CSS), Markdown

EXPERIENCE

LifeStart Dec 2019 - Present

Gym Front Desk Attendant

McDonald's May 2018 - Aug 2019

Cashier

Prospect Airport Services Mar 2017 - Jun 2017

Airport Passenger Service Assistant