

# Fabian Abrego

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## Skills

- **Programming Languages:** JavaScript, C, Java, Python, SQL, HTML, CSS, JSX
- **Libraries:** React, Pytest (Unit Testing), Cypress (Integration Testing), Recharts
- **Tools:** Git, VirtualBox, Blender, Linux, Bash, MySQL Workbench
- **Human Skills:** Documentation, Pair Programming
- **Technical Skills:** Personal Computer Building, Technical Support, Video Editing in Blender

## Experience

**Scarlet Data Studio** Software Engineer, Intern

**July - August 2021**

- Worked on a team of 16 engineers and contributed four new features to [TransitHealth](#).
- Extracted community belonging data from the Chicago Health Atlas API, created table schema to load into database, wrote queries with tests to slice data by year and by demographics.
- Created a new React component: modal to search 50+ metrics and group results by dataset.
- Integrated Cypress for end-to-end testing, automated on each pull request via GitHub actions.
- Found and helped fix five user-facing bugs, including one caused by an external data source.

**Office of Academic Technology Services** Production Assistant

**Nov 2018 - May 2021**

- Recorded lectures for online and in-person students, helped professors resolve issues live.
- Trained 10 new hires on standard operating procedures, including operation of camera and audio equipment.

## Projects

- **Personal Website:** Constructed a personal website using HTML and CSS to show professional details, goals, and personal info in a resume-like manner.
- **Electrical Engineering Robotics Competition:** Constructed and programmed a robot using C to perform various movements for a competitive score-based game.
- **Video Editing Projects:** Video production using editing software.

## Education

**B.S. in Computer Science** Illinois Institute of Technology, Chicago, IL

**Expected May 2022**

- **Selected Coursework:** Operating Systems, Systems Programming, Database Organization, Data Modeling and Applications, Computer Architecture, Technical Communication

**High School Diploma** Walter Payton College Preparatory High School, Chicago, IL

**May 2018**

- Received the 2018 Excellence in Technology Award, awarded to 2 students each year.
- Founder and President of the Technology Club for one year.

- Broadcast and Sound Engineering Technician for two years for Payton News Network.

## **Fabian Abrego**

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## **Objective**

To find a career in the ever advancing field of managing  
technology systems at both hardware and software levels

## **Career Summary**

- Worked for the Office of Academic Technology Services at Illinois Institute of Technology
- Completed a variety of University courses pertaining to both software and hardware in the industry
- Received an Excellence in Technology Award in High School
- Began accumulating practical technology management skills during High School

## **Education**

Illinois Institute of Technology

At Chicago, Illinois

**3rd Year, Bachelor of Science (Computer Science)**

Walter Payton College Prep High School

At Chicago, Illinois

**Class of 2018 (3.3 GPA)**

## **Experience**

Office of Academic Technology Services, Chicago, IL

### **Production Assistant**

Nov 2018 – Present

(Part Time)

- Assigned to support position among staff responsible for training new hires in performing the tasks they were expected to do.
- Maintained consistent quality of recorded lectures for the use of students off-campus.
- Assisted Professors with troubleshooting and ensuring a smooth lecture experience for both online and in-person students.

Payton News Network, Chicago, IL

### **Broadcast and Sound Engineering Technician**

2016 – 2018

(Student Worker)

- Maintained sound and video quality for the high school's broadcast journalism program.
- Provided technical support for broadcast software and hardware.
- Built a solid reputation of a reliable opinion and work ethic in other affairs, especially school events.

## **Volunteer Positions / Community Service**

Technology Club at Walter Payton, Chicago, IL

### **Founder/President**

2017 – 2018

Garfield Park Conservatory, Chicago, IL

**Volunteer Sanitation Worker**

2018

### **Technical Skills and Interests**

- Capable of using word processors such as Word and LibreOffice.
- Experienced with basic Video Editing using Blender.
- Attuned to audio engineering when used in conjunction with video and film.
- Knowledgeable in software and hardware troubleshooting basics.
- Well informed with hardware and software technological advancements.
- Can code using Python, Java, and C.

### **References**

References are available upon request.