

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