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 to operate camera and audio equipment and on starting procedures.

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.