

Fabian Abrego

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Skills

- **Programming Languages:** JavaScript, C, Java, Python, SQL, HTML, CSS, JSX, Racket
- **Libraries:** React, Pytest (Unit Testing), Cypress (Integration Testing), Recharts
- **Tools:** Git, VirtualBox, Android Studio, PyCharm, CLion, IntelliJ, Vegas Pro, Linux, Bash, MySQL Workbench, Django CMS
- **Human Skills:** Documentation, Pair Programming, Written Communication
- **Technical Skills:** Personal Computer Building, Technical Support, Video Editing

Work 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

- **FIRST Illinois Website:** Assisted in the design and development of FIRST Illinois Robotic's new website, using Django CMS as a part of a team of 5.
- **Mobile App Development:** Developed a variety of mobile apps for various use cases, such as a news aggregator, a weather forecast app, and a note-taking app.
- **Personal Website:** Constructed a personal website using HTML and CSS to show professional details, goals, and personal info in a resume-like manner.
- **Video Editing Projects:** Video production using editing software such as Vegas Pro.

Education

B.S. in Computer Science Illinois Institute of Technology, Chicago, IL **May 2022**

- **Selected Coursework:** Software Engineering, Database Organization, Data Modeling & Applications, Mobile App Development, Technical Communication, Operating Systems, Systems Programming, Computer Architecture, Introduction to AI, Programming Languages & Translators