# Daniel Whitney

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## EDUCATION

**Computer Science,** *Southwestern University* ↗                    01/2019 – 05/2021 | Georgetown, TX

## PROFESSIONAL EXPERIENCE

**Software Developer,** *ClearCube Technologies* ↗                    08/2020 – present | Cedar Park, TX
- Utilized Feature Driven Development methodologies to design and implement features
- Developed a kiosk desktop application that removes the windows experience from remote employees to enforce VM/RDP utilization and deployed with 12,000+ users. (*Electron.js, Node.js, JavaScript*)
- Provided support for deployed kiosk application along with updates with new features.
- Developed a full stack web application that automates server logging, maintains historical server room temperature data. Created API endpoints to generate interactive visualizations, managed freeNAS hooks, with email and text integration for server events. (*JavaScript, HTML, CSS, Flask, Node, Python, Bokeh, SendGrid*)
- Dockerized web applications for continuous deployment and wrote detailed documentation on testing and updating applications.
- Deployed end to end testing (*Cypress, Postman*)

**Software Developer,** *Southwestern University*                    05/2019 – 08/2019 | Georgetown, TX
- Designed and implemented a web application to automate a physicist's research area.
- Obtained, cleaned, formatted, and stored over 40 million points of atmosphere data (*SQLAlchemy, Flask, Python*)
- Served interactive visualizations of atmosphere data (*Bokeh*)
- Deployed locally with a simple Angular app in the front end to deliver the researcher's data choices to the API.

## PROJECTS

**Southwestern University Tutor App,** *Senior Capstone*                    01/2021 – 05/2021
- Using feature driven development, designed and implemented a hybrid mobile app to manage access to school sponsored tutors (*React, React-Native, JavaScript*)
- Worked directly with stake-holders to refine requirements and communicate technical barriers in project

**IntroToGIS.com,** *Independent Study* ↗                    05/2020 – 05/2021
- Independent study on delivering education materials to assist the incoming classes of Introduction to Environmental GIS taught at Southwestern in our post pandemic environment.
- Interviewed previous course students to determine student need, curated projects and labs that could be done with little in person support, designed tutorial videos to supplement in class labs.
- Collaborated with department faculty on design of web application then created a responsive full stack web application to serve the project.
- Deployed using heroku, served by Flask API, single page application (*WebPack, HTML, CSS, JavaScript, Python, Flask*)

## SKILLS

**Languages: JavaScript, Python, HTML, CSS, SQL, C++, Java**

**Libraries: React, React-Native, Angular, Node.js, Electron.js, Flask, SQLAlchemy, WebPack**

**Dev Tools: VS Code, Visual Studio, PyCharm, Git**