

# Daniel Whitney

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## EDUCATION

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**Computer Science, Southwestern University** 📄

3.42 GPA

National Science Foundation grant recipient

01/2019 – 05/2021

Georgetown, TX

## PROFESSIONAL EXPERIENCE

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**Software Developer, ClearCube Technologies** 📄

08/2020 – present

Cedar Park, TX

- Collaborate directly with internal clients to develop scope and requirements of upcoming projects
- Determine timeline and structure of upcoming projects using middle out approach. Manage client expectations and deliver updates to stakeholders on progress.
- Built an interactive dashboard automating part orders using JS, Flask, and Python
- Dashboard increased product fulfillment speed by 15% by matching incoming order needs against current stock resulting in faster part acquisition
- 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. (JS, HTML, CSS, Flask, Node, Python, Bokeh)
- 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 using SQLAlchemy and Python connected to a Flask API to serve interactive visualizations using Bokeh.
- Deployed locally with a simple Angular app in the front end to deliver the researcher's data choices to the API.
- Developed endpoints to generate CSV files for additional data processing.

## PROJECTS

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**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 web app using heroku, served by Flask API, SPA front end built with HTML/CSS/JavaScript
- Generating feedback from users to refine web application and materials delivered

## SKILLS

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

**Frameworks:** React, Angular, Node.js, Electron.js, Flask, SQLAlchemy

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

**Soft Skills:** Public speaking, team building, internal and external customer service