

# Daniel Alejandro David Sánchez

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## Education

Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM)

Studying a Bachelor of Science in Computer Science and Software Engineering.  
Expected graduation: December 2022

GPA: 95/100

## Technology Skills

- HTML
- CSS
- Bootstrap
- JavaScript/Typescript
- React JS
- C++
- Python
- mySQL
- Git
- Node JS/Express
- MongoDB

## Projects

- TransformaWeb (August 2020 - present)
  - Worked in a team to update old web pages into new ones using HTML, CSS and Javascript.
  - Successfully updated two full courses of four and five modules each.
  - The web pages belong to Centro Virtual de Aprendizaje which provides online courses to +470,000 users.
- Sudoku Solver (September 2020)
  - Developed a sudoku solver using React and Redux.
  - The solver allows the user to input any sudoku board and solves it if there exists a solution.
  - The solution is implemented using a backtracking algorithm.
- Spotifavs (August 2020)
  - Developed a web page that uses React (with Typescript), and the Spotify Web API to show the user's favorite tracks and artists.
  - The web page uses the API to fetch the data and manage the OAuth2 authentication process.
  - The web page is deployed in a Heroku server for every Spotify user to try.
- Danurls (November 2020)
  - Created a URL shortener using Next JS to develop a server side rendered web page.
  - Queries are made through a REST API, this API handles the post method to create a new URL, and the get method to redirect from the short URL to the full one.
  - The server handles URL verification and data base integrity so that there are no repeated shortened URLs. Data is stored in a MongoDB database.

## Leadership and Awards

- Top Teen Programmer Competition (Oct 2018 - Dec 2018)
  - Participated in a competitive programming competition hosted by the ACM, in which we solved problems involving data structures.
- Coursera (2020)
  - Completed the following courses:
    - Front-End Web UI Frameworks and Tools: Bootstrap 4
    - Front-End Web Development with React
    - Server-side Development with Node JS, Express and MongoDB