

# Andrew Neece

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## FULLSTACK DEVELOPER

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Fullstack Developer with a background in engineering and with knowledge of various softwares and programming languages. Previous experience in the civil engineering industry and graduating from General Assembly's Software Engineering Bootcamp with a desire to break into the Tech industry as a Software Engineer.

## TECHNICAL & INTERPERSONAL SKILLS

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**Languages:** JavaScript, HTML, CSS, SQL, Mongo, JSON, Typescript, Python, EJS, DTL

**Libraries and Frameworks:** React, Express.js, Django, JQuery, Bootstrap, Semantic UI, Bulma

**Databases and other:** PostgreSQL, MongoDB, RESTful Routing, JSON API

**Interpersonal skills:** dependability, leadership, creative thinker, teamwork, work ethic

## TECHNICAL PROJECTS

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**Pyramid - [GitHub](#) | [App](#) - JavaScript, HTML, CSS**

*A holiday themed, addition-based solitaire card game, users can sit back and relax and see if you can clear the Pyramid.*

- Created card game using a card deck library in CSS and flexbox to design a christmas tree shaped pyramid.
- Used JavaScript to implement game logic that handles clicks, checks card values, checks winning and losing conditions, and shuffling mechanics that guarantees a unique game every time.

**2k Create-A-Team - [GitHub](#) | [App](#) - JavaScript, CSS, EJS, Node, Express, MongoDB**

*One sentence about what the app does, think of this like a one-line marketing pitch*

- Bullet points that describe the features you created in your app. Use the formula:
- Action verb + what you did + result
- Action verb + what you did + result

## EXPERIENCE

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**Enprotec / Hibbs & Todd, Civil Engineer**

*Granbury, TX, 01/2021 - 11/2022*

- Performed a wide variety of work under Civil, Environmental, and Process Engineering Managers including Engineering Feasibility Reports, water/wastewater system improvement designs, and Environmental Site Assessments.
- Led or assisted on 10+ water & sewer system design projects using AutoCAD/Civil3D and BlueBeam, and one of few in the company who is experienced in hydraulic modeling in InfoWater Pro.
- Participated in meetings and presentations with clients who consist of various utility districts in Texas and used Microsoft Excel for calculations and analysis of data for said clients.

**Senior Capstone Project, Hardware & Assistant Software Engineer**

*College Station, TX, 01/2020 - 12/2020*

- Worked on and completed a yearlong final project at Texas A&M as the lead Hardware Engineer and assistant Software Engineer on a team of 4 to test a classified method of cyber security for the Department of Defense (DOD) and Texas Instruments (TI).
- Designed a closed-loop, climate-controlled environment to run various tests inside of and analyzed the results at varying temperatures and humidity.
- Oversaw research, design, and development of two PCBs using Altium Designer. One to run the cyber security tests, and the other to control the climate-controlled environment.
- Assisted in programming a heating device, humidifier, temperature sensor, relative humidity sensor, JTAG and UART I/O pins, and SD card reader using C coding language. C# in Windows' Visual Studio was used for the Graphical User Interface (GUI).

**Enprotec / Hibbs & Todd, Civil Engineer Intern**

*Abilene, TX, 05/2019 - 08/2020*

- Used fluid mechanics to design a water tower and ground storage tank for the cities of Stamford and Mason, TX, and reviewed design plans for numerous projects.
- Audited three cities' Alternative Capacity Requirement (ACR) to submit reports to TCEQ using the daily water usage of each city from 3-5 years of data.
- Calculated Cost and Quantity estimates for multiple projects and helped with writing different technical reports and applications.

## EDUCATION

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### **General Assembly**

*Remote, Certificate Expected: 03/2023*

Full-stack software engineering 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

**Texas A&M University**, B.S. Multidisciplinary Engineering Technology

*College Station, TX, Graduated: 12/2020*