

# Connor Patterson

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## EDUCATION

### Rensselaer Polytechnic Institute

*Bachelor of Science in Computer Science, Minor in Management & Media and Culture*

- James A. Voorhies '20 Scholar

Troy, NY

May 2023

## EXPERIENCE

### PipeSearch LLC

*Full Stack Developer Intern*

May 2021 – August 2021

*Remote & Austin, TX*

- Utilized HTML, CSS, React and Django development to fix bugs and improve old systems
- Completed a project that allows a user to download an Excel template for a supply opportunity upload
- Project also allows the user to upload an Excel file that gets validated based off of PipeSearch's database

### State Farm

*Software Engineer Intern*

May 2022 – August 2022

*Remote*

- Utilized Angular, TypeScript, Codecept, Jasmine to integrate enhancements, fix bugs and thoroughly test code
- Greatly enhanced team's main product, Simplified Auto Experience, by being assigned stories as well as logging, debugging and production support tasks

## RELEVANT COURSEWORK

### Computer Science

- \* *Data Structures* - Used C++ to learn different data structures/algorithms, their advantages and disadvantages as well as time complexity
- \* *Introduction to Algorithms* - Used Python to learn about advanced data structures/algorithms, use mathematical techniques for designing algorithms as well as analyzing worst-case and expected-case algorithm efficiency
- \* *Software Design Documentation* - Led a team using Agile development to create a product that was merely just a vision I had called "MIMAX." Also learned other important software topics such as various design patterns, SOLID principles, and testing.
- \* *Operating Systems* - Studied topics such as I/O programming, concurrent processes and synchronization problems, process management and scheduling of processes, virtual memory management and device management

### Management

- \* *Computer Information Systems* - Studied the concept and components of computer-based "management information systems" (MIS) and their integration into organizational processes to gain competitive advantage
- \* *Financial Accounting* - Studied fundamentals of financial accounting systems

## RELATED SKILLS

**Languages:** Python, C/C++, Java, JavaScript, HTML, CSS, TypeScript, MATLAB, LaTeX, PostgreSQL

**Frameworks/Libraries:** Angular, Codecept, Django, Jasmine, React

**Developer Tools:** BitBucket, Eclipse, Git, GitLab, Jira, Postman, Slack, Sublime Text, VSCode

## PROJECTS

**MIMAX:** Led and helped create a product named "MIMAX" for my Software Design & Documentation class. MIMAX was made using an Agile methodology, utilizes React and its main focus is to be a sleeker look than IMDB

**Personal Website:** Personal website created off of an HTML template that was heavily modified for my own personal use

## CLUBS & ORGANIZATIONS

**RPI Men's Lacrosse Team** (*Fall 2019 - Fall 2022*): Sharpened soft skills such as time management and organization, communication, decisive action, patience and resilience

**coding&&community** (*Fall 2022*): RPI volunteer club that allows local middle/high school students the opportunities to learn about coding