

Connor Patterson

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EDUCATION

Rensselaer Polytechnic Institute

Bachelor of Science in Computer Science, Minor in Management

- 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

RELEVANT COURSEWORK

Computer Science

- * *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
- * *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
- * *Computer Organization* - Used C and MIPS to learn about computer organization, assembler language, and operating systems
- * *Data Structures* - Used C++ to learn different data structures/algorithms, their advantages and disadvantages as well as time complexity

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, MATLAB, LaTeX, PostgreSQL

Frameworks/Libraries: Django, React

Developer Tools: BitBucket, Eclipse, Git, Jira, Postman, Slack, Sublime Text, VS Code

PROJECTS

Personal Website(s): Have two personal websites, (both use HTML/JavaScript/CSS) but one was created off of an HTML template that was heavily modified for my own use (and is currently live), and the other is being done completely from scratch using React

Morse Code Translator: Created a small Java program that is able to translate Morse code into English letters and numbers

Discord Bot: Created a Discord Bot using JavaScript, as well as learning Discord's API, that allows the user to interact with it (for example, it can determine the user's role and respond with a certain line of text)

CLUBS ORGANIZATIONS

Rensselaer for Ethics, Science, Engineering and Technology: A STEM discussion club that talks about the ethical impact about current advances in science, engineering or technology

RPI Men's Lacrosse Team: Utilizing soft skills such as time management and organization, communication, decisive action, patience and resilience

UPchieve Tutoring: Online volunteer work to help tutor students with mathematics