Connor Patterson

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EDUCATION

Rensselaer Polytechnic Institute   Troy, NY
B.S. in Computer Science, Minor in Management   *August 2019 – June 2023*
- James A. Voorhies '20 Scholar

EXPERIENCE

PipeSearch LLC   May 2021 – August 2021
Full Stack Developer Intern   *Remote & Austin, TX*
- Learned and utilized HTML, CSS, React and Django development
- Fixed bugs, improved old systems
- Completed a project that allows a user to download an Excel template (that dynamically updates based off of PipeSearch's API endpoint) for a supply opportunity upload. Then, the user can upload an Excel file that gets validated through an API endpoint, outputs an error if any piping measurements are incorrect/missing, otherwise the supply opportunity is saved to PipeSearch's database

COURSEWORK

Computer Science

* *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
* *Numerical Computing* - Utilized MATLAB to learn about numerical solution of linear and nonlinear algebraic equations, interpolation and least squares approximations, numerical integration and differentiation, and eigenvalue problems
* *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

* *Managerial Finance* - Studied corporate financial analysis and risk management
* *Financial Accounting* - Studied fundamentals of financial accounting systems

RELATED SKILLS

Languages: Python, C/C++, JavaScript, HTML, CSS, MATLAB, PostgreSQL
Frameworks/Libraries: Django, React
Developer Tools: BitBucket, Git, Postman

PROJECTS

Personal Website: This is my current project. Using React/JavaScript, HTML, and CSS to create a personal website of my own that showcases my skills
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: Learned soft skills such as time management and organization, communication, patience and resilience when something does not go according to plan. All skills useful for both on the team and in real life situations
UPchieve Tutoring: Online volunteer work to help tutor students with mathematics