Patrick Smith

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Education

University of Connecticut, Storrs, CT
Bachelor of Science in Engineering, May 2019
Major in Computer Science and Engineering; Minor in Mathematics;

Technical Skills

Web: React, JavaScript, GatsbyJs, HTML5/(S)CSS, REST APIs, Markdown, AsciiDocs
Backend/Scripting: NodeJS, Python, C#, Java, C/C++, PowerShell, Batch/Bash, SQL, MatLab
Other: Git/GitHub, Windows, Linux, MacOS, PC hardware

Experience

TRAVELERS INSURANCE, HARTFORD, CT
Associate Software Engineer, June 2019 - Present

- React, GraphQL, and GatsbyJs. Created dynamic, content-enabled React components used for multiple websites across the company, such as the sustainability website that displays company-wide mission statements: http://sustainability.travelers.com
- Year 2 - React/JavaScript, C#, PowerShell. Worked on an application used by agents to quote and issue insurance policies. Helped with conversion from custom-made framework to React.
- Year 1 - Ab Initio, Teradata/SQL, Jenkins/UCD, PowerShell. Used Ab Initio and Teradata as an ETL tool to consume and manipulate data used for analytics further down the data stream in order to make business decisions.

UCONN INFORMATION TECHNOLOGY SERVICES, STORRS, CT
Support Specialist Lead, May 2016 - May 2019

- Re-imaged and set up computers for faculty members to maintain/improve faculty productivity.
- Created an electron app to graphically run a PowerShell script. The script was used for automatically performing setup tasks for PCs with a fresh install of Windows.
- Diagnosed software and hardware related problems for employees and clients.

Projects

SENIOR DESIGN PROJECT, STORRS, CT
Web application/server for The Jackson Laboratory, August 2018 - March 2019

- Developed a web-based application which allows pathologists easy access to Copy Number Variation (CNV) calling using Whole Genome Sequencing (WGS) data to improve research.
- Application cross referenced any CNVs found with reputable clinical databases to identify CNVs widely known to be associated with disease.
- Displayed copy number variations and clinical annotations to pathologists with a user-friendly GUI.