

Patrick Landers

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Summary

Adaptable and creative computer engineering student with an insatiable desire to find solutions to the problems at hand. I am looking for internship opportunities where I can reach and exceed goals inline with the company's vision while bettering myself through hands on experience.

Skills

- Languages: C, C#, C++, Java, VHDL, Python, Assembly, Javascript, VBScript, VBA, Matlab
 - Operating Systems: Windows, Mac, Linux
 - Software: Xcode, Unity, Excel, Git, Visual Studio
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Education

Rochester Institute of Technology - Kate Gleason College of Engineering
Bachelor of Science in Computer Engineering

December 2019

Experience

Crestron Electronics - *Software Engineering Intern*

January - August 2018

Created and maintained scripts for automated testing of software products. These tests would attempt to find bugs and exceptions in products that would otherwise be time consuming to find as a human tester. I was able to discuss these issues with developers giving me an opportunity to view the product from their perspective, creating a better understanding of where bugs could be hidden and how to cause them.

Projects

Automated Testing

Developed the foundation of the automated UI testing of Crestron's latest product. As the product was being developed it needed to be tested constantly between releases. The tests were run overnight and could find issues before the next morning. This optimized manual testing by not requiring people to find issues that would have to be done over multiple iterations.

Excel Compiler

In order to have others use my tests without knowledge of the testing software I essentially created a compiler in Excel. Users would be able to type in human readable commands which would then be read over and compiled. The compiled steps would be read by the testing software allowing custom tests to be run.

Extra Curricular

Clipboard History

I found that the standard Windows clipboard did not always meet my needs. There was functionality missing that I thought could be useful. Using WPF and C# I created a clipboard history that would keep track of anything that was copied since the application was open and allow you to append items together, resulting in a much more useful clipboard.