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EECS 393: Software Construction

<center>This is why I commit to Python and rely on it to help me succeed</center>

My partner and I have decided to commit to Python 3 as our language of choice this quarter. We chose the the language because we are both familiar with the language, it has a vast amount of support, and it meets all of the requirements as described on Assignment 1. Python 3 meets the first requirement because it is able to run on both the lab's Unix machines and our Windows computers; we know this from previous experience of working with Python 3 on these machines. Python 3 meets the second requirement because it has support for Unix-style STDIN through the sys library, supports standard i/o through the io library, and supports TCP/IP sockets through the socket library. Python 3 meets the third requirement because it supports modular programming through the built-in module system. Modules can be created and imported to other files. Furthermore, third-party packages can be installed through the pip package manager. Python 3 meets the fourth requirement because it supports reading and writing JSON through the json library. Python 3 meets the fifth requirement because it supports loading modules dynamically at runtime via the import method. Python 3 meets the sixth requirement because automatic unit testing and test coverage can be accomplished via the unittest library. Python 3 meets the seventh requirement because the Pycharm IDE (Community Edition) provides a console by which the coder can interact with their code in an exploratory manner. Given that all seven requirements are met, we have decided to commit to Python 3 and rely on it to help us succeed.