**Catchat:** A chat room for everyone at Northwestern

**Why NodeJS?**

There are multiple reasons why I think Node is amazing. The first two are characteristics of the framework:

* Node is *non-blocking*: typically, signal transfer between a client and a server happens one signal at a time, ie. The computer sends a signal, then the server can send one. With Node, these signals can be transferred between the client and server simultaneously. Hence, Node is faster.
* Node is *event-based:* events are emitted by both client and server, and both client and server listen for events. When an event is received, the callback function is executed.
* Node is JavaScript: a dynamic language that is fun to use. Also, the same language can be used for back-end scripting and front-end work (we won’t run into the problem we had when working on the BoxCo website)