Led by Dr. Stephen Wong, the COMP 410 class assigns students to a semester-long project that is similar to what they might encounter in the “real world.” A mock software company is created and the students work with a client who specifies the company’s requirements. The students organize and manage the entire project from beginning to end, creating cutting-edge, object-oriented design and code, to provide the specified product.

In this presentation, the students will demonstrate the Voltron system and will discuss their experiences in the class. Voltron is a peer-to-peer grid computing framework built on Rice's own research project, Pastry. Using Voltron, processes can be sent either to specific computers on the grid or automatically distributed according to user specifiable criteria.