Ascend is a premier national and professional organization dedicated to enabling its members, business partners and the community to leverage the leadership and global business potential of Pan-Asian. They are inclusive and have many diverse members with different backgrounds. The SIU Chapter was established in 2012 as a Registered Student Organization.

**Overview**

Develop a Website for the SIU Chapter of Ascend

- Website must be maintainable with minimal coding knowledge
- Website should showcase the following aspects of Ascend:
  - Business Leadership
  - Professional Development
  - Diversity/Inclusion

**Scope**

- The website was developed following the Agile/Scrum methodology
  - Short, iterative cycles with small tasks to complete
  - Oct. 7, 2016 – Initial Client agreement and Team Charter
  - Sprints were 2 weeks in length

**Methodology**

- System Technologies
  - Project Planning Tools
    - Visual Studio Team Services
    - OneDrive
  - System Analysis/Design Tools
    - Balsamiq
    - Visual Paradigm
  - Hosting Environment
    - Digital Ocean
    - Docker Community Edition
  - Front-end Technologies
    - CSS3/HTML5
    - JQuery 2.2
    - Semantic UI 2.2
  - Back-end Technologies
    - Asp.net Core 1.0.1
    - PostgreSQL 9.5.4
    - ASP.NET Core
    - Semantic UI

**Results**

- Overall, the client is happy with the results
- Still more tasks to be done and features to be added
- Team members have gained:
  - Real-world experience in client interaction
  - Knowledge in multiple coding languages
  - Increased problem solving skills from various challenges

**Authors:** Lee Cooper, Hallie Martin, Ren Jing, Matt Gross, Cody Lingle

**Faculty Sponsor:** Nancy Martin, Ph.D.