Alyssa Valdez

Address: 410 Falcete Court, Laredo, TX 78045
Cell: (956) 236-5318
E-mail: alyssaavaldezz@gmail.com
Website: alyssav.github.io

Education

Texas A&M University - College Station, TX
B.S. — Expected Graduation December 2017

- **Major**: Computer Science
- **Minor**: Art (New Media)
- **Overall GPA**: 3.2

Experience

Undergraduate Researcher, Interface Ecology Lab - Texas A&M University
College Station, TX — August 2015 - Present

Develop a Windows Universal app to support creativity on a large, interactive (pen + touch) surfaces using C#, Win2D to render content dynamically, InkCanvas for pen input, and pointer event handling to recognize gestures performed by users.

Design and create wrappers for extracting and presenting web semantics from sources such as Google and Bing search engines, and GitHub.

Develop features for and fix bugs in IdeaMache (creativity support application and zoomable user interface), using HTML5 technologies, including CSS and JavaScript.

Conduct semi-structured interviews for user studies; transcribe and code qualitative data.

Peer Teacher, Texas A&M University - Computer Science and Engineering Department
College Station, TX — January 2015 - December 2015

Teach programming and design concepts in C++, such as object-oriented design, dynamic memory, data structures, algorithms, and debugging, and more general skills, such as critical thinking and communication.

Software Developer Intern, CAPSHER Technology
College Station, TX — June 2015 - August 2015

Conceptualize and build a web application that enhances the company's employee review process. Learn by shadowing full-time employees. Write design documents. Create mock-ups. Arrange meetings. Communicate with client. Establish project checkpoints. Code in C# with .NET framework and SQL.

Activities

Vice President of Projects, Texas A&M Engineers Serving the Community
College Station, TX — August 2015 - May 2016

Direct eight projects in a 50+ student-run community service organization. Support project leads and team members. Contact clients. Collaborate with project leads to create milestones and expectations. Fill as a project lead. Manage organization of projects.

Vice President of Development, Texas A&M Engineers Serving the Community
College Station, TX — September 2014 – May 2015

Manage a group of six officers in a 50+ student-run community service organization. Assure officers follow up with their duties. Run development team meetings. Assist officers in their duties.

One of the founding members of the organization. Perform the process of becoming an university-recognized student organization.

Honors

Channels Scholar, NSF Center for Science of Information
2015 - 2016
2016 - 2017

Presentations

Co-presenter, "Collaborative Design Ideation: Pen + Touch"
Microsoft Faculty Summit Workshop - Visualization on Touch Enabled Platforms
July 2016