**Caleb Kyle**

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**Objective** To become a creative, entrepreneurial, and human centered software developer and tech designer.

**Education Southern Methodist University** Dallas, TX

**Bobby B. Lyle School of Engineering** Grad Year: 2017

Bachelor of Science in Computer Science GPA: 3.73

Master of Arts in Design and Innovation

**Skills Technical:** Swift, Objective-C, Elixir, Java, C++, Python, HTML5, AngularJS, ReactJS, NodeJS, JQuery, Yeoman, Grunt, Ionic, CSS3, bootstrap4, materialize, SASS, PHP, mySQL, Neo4J, Git, Jira, ARM Assembly, Arduino, hobby electronics, prototype modeling, 3D printing, laser cutting, soldering

**Design:** Human Centered Design, design research, experience design, UX, concept ideation, design thinking, technical audit, Agile Methodology & Scrum

**Relevant Coursework**

iOS Mobile Sensing and Learning, Functional Programming, Data Structures, Algorithms, Databases, GUI, Security, Ubiquitous Computing, Programming Languages, Networks, Human Centered Design, Context and Impact of Design

**Engineering Projects**

**Mira Smart Bathroom Mirror Mar - May 2016**

* Extended the principles of ubiquitous computing by creating a bathroom mirror that automatically sensed when a user walked in, when the user starts and stops brushing their teeth, and “hears” the faucet, fan, and showering running and plays music accordingly

**TutorConnect Web and Mobile Application Jan - May 2016**

* Applied human centered design methodology to research and build information management software for our on campus tutoring center; developed the interface for both students and admins

**Assassins Web and Mobile Application Sept - Dec 2015**

* Worked on the back-end development of an application that allows users to create accounts, track progress, and join and create games of real life versions of the popular game “Assassins”

**Search Engine Project Mar - May 2015**

* Designed and implemented a search engine, written in C++; the program searched the ~700MB wikibooks library, accepted nested Boolean queries, and displayed the most relevantly ranked results

**Remediation Robot Jan - Apr 2014**

* Worked in a cross-disciplinary team utilizing Agile development methodology to design and produce an autonomous robot that locates, tests, and purifies water. Handled all mechanical design and process.

**Experience**

**Frog Design Jun – Aug 2016**

* Worked as a design technology intern on a variety of projects ranging from conceptual design to technical implementation; worked on projects involving web application development, rapid physical and electrical prototyping, Arduino programming, concept ideation, product design and presentation

**President, Beta Upsilon Chi Fraternity Jan – Dec 2016**

* Lead the SMU chapter of the Christian fraternity Beta Upsilon Chi as president; empowering the five other officers to pour into the fraternity; lead the biggest change in our chapter’s history

**Chaplain, Beta Upsilon Chi Fraternity Jan - Dec 2015**

**Grader for Introduction to Mechanical Engineering Aug 2014 - Present**

* Graded students’ assignments weekly for two professors

**Honors & Distinctions**

SMU President’s Scholar, SMU Campus Community award

**Interests** Guitar, hunting, fishing, backpacking, help manage family farm in Temple, TX (cattle, ducks, deer)