# EDUCATION

# Southern Methodist University Dallas, TX

**Bobby B. Lyle School of Engineering**Aug 2013 -May 2017

## Bachelor of Arts, Computer Science and Engineering

# EXPERIENCE

# Walmart Labs – Java, JavaScript, PostgreSQL, Nginx, React Bentonville, AR

*Software Engineer III* Nov 2017 - Present

* Implemented much-needed unit testing frameworks using Jasmine and Karma which led to more robust and predictable applications.
* Successfully lead several companywide SonarQube upgrades and hotfixes that affected over fifteen thousand Walmart projects, including knowledge transfer sessions with multiple support teams and fellow Software Engineers.
* Contributed to the Hygieia open source project (owned by Capital One) by adding interactive displays, increasing UI performance through more efficient REST methods, and adding a new collector that fetched “Technical Debt” data via a configurable Elastic Search query.
* Spearheaded the effort to design and implement a new Executive Dashboard React application allowing users to see deployment metrics for all Direct Reports under a selected Executive or Vice President.
* Independently implemented best practices PostgreSQL write-ahead-log backups, automated point-in-time backups written to external object storage and contributed to a Walmart Ansible playbook that creates a self-propagating, HA proxy driven, PostgreSQL cluster.
* Received and lead numerous code review, debugging and architectural planning sessions via video call or in-person with one or more developers, occasionally including management and other stakeholders.

# Anderson Merchandisers – JavaScript, PHP Dallas, TX

*Software Engineer - Intern* Aug 2017 – Sep 2017

* Created an application that allows the user to upload excel or csv files and automatically send templated messages to thousands of Anderson employees
* Utilized Atlassian products Jira, Confluence, Bitbucket and Jenkins to collaborate with other team members, create necessary documentation, and aid in code review sessions.

### PERSONAL PROJECTS

**Lurk Moar – Ionic, PostgreSQL, Swift, TypeScript** Springdale, AR

*Mobile Application that displayed content from Reddit, HackerNews, NewsAPI and more* Jul 2017 - Present

* Users can browse by subreddit /board, sort posts by different attributes, view comments, save images, add bookmarks to posts, and add user-specific favorite boards.
* Utilized Ionic native plugins to add voice-to-text and text-to-voice capabilities so users could browse their favorite platforms via voice activation.

**ADDITIONAL SKILLS**

**Languages:** C/C++, C#, Java, JavaScript, PHP, Python, TypeScript

**Frontend Frameworks:** AngularJS, Angular, Ionic, React

**Backend Frameworks:** Node.js, Spring

**Database Tools:** MongoDB, MySQL, PostgreSQL

**Cloud Platforms:** Amazon Web Services, Azure,DigitalOcean, Firebase, Heroku, Open Stack