### Kellen Schmidt

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**EDUCATION: Southern Methodist University** Dallas, TX

Bobby B. Lyle School of Engineering Grad Date: May 2019

Major: Computer Science GPA: 3.85

**SKILLS:** HTML/CSS/JavaScript | React.js | Angular | Vue.js | PHP | MySQL | Java | C++ | Python | Bash | Scrum | GitHub | MS Office

**RELEVANT** GUI Design Advanced Web App Programming Data Structures

**COURSES:** Databases iOS Mobile App Development Information Security

Algorithms Information Retrieval and Web Search Scientific Computing

**WORK EXPERIENCE:**

**Software Engineer Intern**, Southwest AirlinesJan - May 2018

* Designed and implemented a React web application to analyze data quality for an internal application
* Architected and developed the front-end on my own, thereby gaining a thorough understanding of React
* Used daily by multiple teams to confirm the quality of their data and identify points for improvement

**Application Development Intern**, Lehigh HansonMar - Sept 2017

* Created a custom CSS extension for Bootstrap 4 written in SASS to style the company’s web applications
* Preformed QA and UAT testing on web and mobile applications during development and deployment

**PERSONAL PROJECTS:**

**Interactive Resume Personal Website**, kellenschmidt.comFall 2017

* Created my own interactive resume website completely from scratch to showcase my technical abilities
* Written in Angular 5 and styled responsively with Bootstrap 4 and Material Design
* Architected and implemented a RESTful API to dynamically load and manage the site’s content
* Containerized using Docker to standardize development and deployment of the application as a whole

**URL Shortener Website**, kellenschmidt.com/urlFall 2017

* Developed a website using Angular 4 and a RESTful API to create, manage, and redirect short URLs
* Built robust user account functionality utilizing JSON web tokens, password hashing, and authentication
* Hosted on an AWS instance configured with a LAMP stack and Apache virtual host subdomains

**ENGINEERING PROJECTS:**

**GeoDeals Web App** Spring 2017

* Implemented the back-end of a web app to let users post and vote on shopping deals in their area
* Used Slim to write and expose a RESTful API to enable front-end interaction with the back-end database
* Launched and configured an AWS EC2 instance with a LAMP stack to host the application

**GroceryQuest Web App** Fall 2016

* Designed and implemented a web app that allowed users to create and optimize grocery lists
* Collaborated with 1 other student to develop a responsive user interface using Angular 2 and Bootstrap
* Completely integrated with a back-end database over http using a RESTful API

**Wikibooks Search Engine** Spring 2016

* Created an inverted file index search engine with TF/IDF relevancy ranking and Boolean query processing
* Parses the Wikibooks website (200,000 XML pages) into one of 2 different underlying data structures

**ACTIVITIES:**

EarthHack Hackathon (2017, 2018) Boise Code Camp (2016)

##### HackDFW Hackathon (2016) Kappa Sigma Fraternity (2015-present)