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| **[LinkedIn Profile](https://www.linkedin.com/in/spencershadley" \o "Go to my LinkedIn Profile)**  [/in/spencershadley](https://www.linkedin.com/in/spencershadley" \o "Go to my LinkedIn Profile) | [qrcode](https://www.linkedin.com/in/spencershadley) |

EDUCATION

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| --- | --- |
| The University of Texas at Austin, Bachelor of Science in Computer Science | May 2016 |

*Minor in Mathematics*

Computer Science GPA - 3.76 / 4.00

Current Courses Object Oriented Programming, Data Management, Competitive Programming,

Debugging and Verifying Programs, Longhorn Startup, Matrices and Matrix Calculations

Past Courses Operating Systems, Compilers, Wireless Networks, Computer Architecture, Data Structures

EXPERIENCE

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| --- | --- |
| **Android > Apple Company**, Austin, TX | August 2011 – Present |

*Founder and CEO*

Develop mobile applications for Android and Blackberry

Published in Google Play Store, Amazon AppStore, Nook Store, Blackberry, SlideME, Opera, GetJar, Appia Stores

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| **eBay / PayPal – Global Operations Architecture Team**, Austin, TX | May 2015 – August 2015 |

*Architect Intern*

Researched and owned two end-to-end projects without a prescribed structure

Clickable Architecture Project

Converted static images found in PayPal's development wiki pages into live UML diagrams

Featured inline comments, granular permissions and subscription updates to changes

Completed and in production 11 weeks ahead of anticipated completion

Unified Alerts Project

Aggregated emailed alerts asynchronously in real-time via WebHooks

Single-page web app using the MEAN (mongoDB, Express, AngularJS, Node.js) stack

Implemented using a model-view-controller (MVC) paradigm with RESTful APIs

Featured an SSL connection, live chat, Asynchronous JavaScript and JSON (AJAJ) and responsive design

Incorporated Socket.io, Bootstrap, Chart.js, Dygraphs, Context.io, Almsaeed Studio, jQuery and Bootbox

Performance improved throughout the project (load time decreased 20X through asynchronous polling, caching by 100X)

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| **IBM – Software Group**, Austin, TX | May 2014 – August 2014 |

*Software Development Intern*

Designed and programmed an end-to-end web application to use Reference Data as a Service (replacing existing disparate systems)

Written in Java, JavaScript, HTML5 and CSS3 with RESTful APIs and deployed on BlueMix

Node.js and shell scripts published JSON data from a SQL relational database to a non-relational NoSQL Cloudant database

Presented to Senior Management and Executive Leadership

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| **Garland Independent School District (GISD)**, Garland, TX | May 2012 – August 2013 |

*Course Author and Advisor*

Authored Mobile Application Development course to fill a gap in the STEM curricula

Taught in all high schools of GISD (1,000+ students annually)

Produced a flashable system image for GISD computer network (28,000+ systems)

PROJECTS AND TECHNICAL SKILLS

|  |  |
| --- | --- |
| **[GitHub Profile](https://github.com/spencer-shadley" \o "Go to my GitHub Profile)**  [/spencer-shadley](https://github.com/spencer-shadley" \o "Go to my GitHub Profile) | [C:\Users\sshadley.PAYPALCORP\Downloads\qr.png](https://github.com/spencer-shadley) |

**Projects** Wrote a Pascal Compiler (source code ➞ lexemes ➞ AST ➞ executable assembly)

Created an Operating System (included threads, virtual memory and file systems)

Deployed a website to teach Android development ([MApp](http://mapp-develop.appspot.com/))

Programmed Huffman Compression using Huff Trees

Developed an Android app to scan hand-written code and display its output (hackathon with three teammates)

**Languages** Proficient in Java, JavaScript, C, SQL, HTML5, CSS3, JSON, XML

Familiar with C++, Shell Scripting, x86 Assembly, Lisp, Cypher Query Language, Yacc

**Methodologies** Object Oriented Design, Agile Development (SCRUM), REST, Continuous Integration, Unit Testing, Code Coverage,

Functional Programming, Responsive Design, UML, NoSQL, Relational Databases, Graph Databases, Hierarchical Databases

**Software** [GitHub](https://github.com/spencer-shadley), GDB, VMWare Player, Travis CI, GoogleTest, Gcov, Doxygen, Confluence, Valgrind, Photoshop, Oracle SQL Developer,

SQL Developer Data Modeler, Neo4j, FireBug, BlueMix, Google App Spot, Apache Tomcat, IntelliJ, Eclipse, Visual Studio

HONORS AND ACHIEVEMENTS

Amazon “Free App of the Day” Judged Computer Science UIL competition

40,000+ Android app downloads [2,500+ unique MApp users with 50,000+ website views](http://mapp-develop.appspot.com/)