

Spencer Shadley

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EDUCATION

The University of Texas at Austin, B.S. in Computer Science, Minor in Mathematics

May 2016

CS GPA 3.8 / 4.0

Courses Object Oriented Programming, Modern Web Applications, Algorithms and Complexity, Data Management, Wireless Networks, Compilers, Operating Systems, Computer Architecture, Debugging and Verifying Programs, Longhorn Startup Seminar

EXPERIENCE

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 Apps, Blackberry, SlideME, Opera, GetJar, Appia Stores

50,000+ total downloads

Amazon "Free App of the Day"

eBay / PayPal – Global Operations Architecture Team, Austin, TX

May 2015 – August 2015

Architect Intern

Clickable Architecture Project

Converted static images from 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 to unify disparate alert systems

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

Featured RESTful APIS, SSL, live chat, Asynchronous JavaScript and JSON (AJAX) and responsive design

IBM – Software Group, Austin, TX

May 2014 – August 2014

Software Development Intern

Programmed and designed an end-to-end web application to use Reference Data as a Service (replacing several systems)

Written in Java, JavaScript, HTML5, CSS3 and SQL

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

Deployed on BlueMix with RESTful APIs

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

Projects

Developed an Android app to scan and run hand-written code as part of a four person hackathon

Constructed a school district course exception system using Oracle APEX

Deployed a website teaching Android development (100,000+ views)

Wrote a Pascal Compiler to convert source Pascal code to executable assembly

Built a personal portfolio website using Jekyll (see back of resume for QR code)

Created an operating system including threads, virtual memory and file systems

Programmed Huffman Compression using Huff Trees

Languages

Proficient in Java, JavaScript, C++, C, SQL, HTML5, CSS, JSON, XML, JSP

Familiar with Shell Scripting, x86 Assembly, Lisp

Software

Git, Travis CI, GoogleTest, Gcov, Doxygen, GDB, Valgrind, SQL Developer Data Modeler, Oracle APEX,

BlueMix, Google App Spot, VMWare Player, Photoshop

Methodologies

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

Functional Programming, Responsive Design, UML, NoSQL, Relational Databases, Non-Relational Databases

MORE INFORMATION

GitHub Profile

github.com
/spencer-shadley



LinkedIn Profile

linkedin.com
/in/spencershadley



Personal Website

spencer-shadley
.github.io

