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	Modern Web Applications, Algorithms and Complexity, Object Oriented Programming, 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 (AJAJ) 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 the 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
	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, REST, Agile Development (SCRUM), 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	