

Robert Lynch

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- Education** **University of Texas at Austin** Expected Graduation: May 2016
- Bachelor of Science, Computer Science
 - College of Natural Sciences Freshman Research Initiative, Previous Member
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- Experience**
- Facebook** – London, United Kingdom May 2015 – August 2015
- Intern for LiveRail, a Facebook company that specializes in ad publisher monetization, on their delivery system
 - Created new delivery pipeline in C++ to decrease system latency by storing pre-processed data in in-memory data structures
 - Primary language was C++ with use of Hack and Apache Thrift
- Cerebri** – Austin, Texas December 2015 – May 2015
- CTO, Co-founder
 - Wrote initial version of the service which connected iOS and Android mobile apps and web interface to IBM's Watson over an API, enabling users to ask customer service questions via an app or website and have Watson reply
 - Primary language was Python with use of Flask, React, and IBM's Watson
- University of Texas at Austin** – Austin, Texas August 2014 – Present
- Undergraduate Teaching Assistant for operating systems
 - Helped students in office hours with class projects, including the toy OS they developed, PintOS, held discussion sessions to review class material and introduce projects, and graded projects, assignments, and exams
 - Primary project language is C, with Python used for grading
- Facebook** – Menlo Park, California May 2014 – August 2014
- Intern for Facebook's internal tools team
 - Projects included rewriting the internal wiki and some work on Instagram's web application
 - Primary language was PHP/ Hack with use of HTML, JavaScript, and React
- Rackspace Hosting** – San Antonio, Texas May 2013 – August 2013
- Intern for the Java-based authentication API team at Rackspace.
 - Used systems including Gradle, Maven, Git, Jenkins, and OpenStack
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- Skills**
- C / C++ / Java
 - Node.js / PHP / Hack
 - Linux / Bash / Git / Mercurial
 - HTML5 / CSS3 / JavaScript / jQuery
 - SQL / NoSQL Databases (such as MongoDB, RethinkDB, etc.)
 - Python / Ruby
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- Projects**
- HackTX Hackathon 2012: developed a web-based music player with interactions through SMS
 - PennApps 2015: developed an application/ user management system in Hack, Omega, used by Texas Lambda Alpha Nu, a computer science fraternity, for recruitment and member management. Later adapted for use as Nucleus by HackTX for registration and attendee management
 - Developed manager application for the game "Assassins" in both PHP and Node.js
 - HackTX 2013: Google Glass application for presentation control and teleprompter for presentation notes
 - Created several different intuitive and autonomous control schemes for aerial robots
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- Awards**
- Eagle Scout, earned June 2009