

Ryan C. Riddle

(859) 492-0339 | ryan.riddle7@gmail.com | <https://github.com/RyanRiddle>

WORK EXPERIENCE

Software Designer V at **OpenText** (previously at **HP Inc.**), 2013-Present

- Worked on a C++ application consisting of millions of lines of code that runs on various platforms including Windows, Linux, Unix, and z/OS
- Improved code quality by introducing C++14 and unit tests
- Created a UI to interact with XML documents
- Worked with SQL Server, Oracle, DB2, and Access
- Developed the first version of a document editor in JavaScript
- Added spell-checking and spelling suggestions in various languages to the JavaScript application by compiling the C++ Hunspell library to JavaScript

Web Developer at **3M**, 2011-2013

- Led the development team by discussing requirements with users, delegating work to other interns, and interviewing prospective interns
- Designed, implemented, and maintained web applications using Rails, JavaScript, and SQL Server

SIDE PROJECTS

- chord – Ruby implementation of the Chord distributed hash table protocol
- [elgamal](#) – Python implementation of the ElGamal cryptosystem

EDUCATION

Recurse Center, 2017

- Wrote a transactional, document-oriented database in Ruby
- [Implemented](#) Dijkstra's Algorithm and Nearest Neighbor on GTFS Subway data from the MTA

University of Kentucky, 2013

- B.S. Computer Science and Mathematics, *Summa Cum Laude*
- Honors Program
- Senior Design Project
 - Built a web application that uses GPS to track users' vehicles in real-time
 - Used the Google Maps API to display the vehicles' location history