

Robert (Derui) Lin

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www.rdlin.com

Employment

Software Engineer, Intern

Minted - San Francisco, CA

January – April 2015

- Introduced new Self-launch Notebook customizable product kind, performing full stack engineering from product creation to fulfillment in Python and JavaScript, now available for over 2000 active designers
 - High maintainability with 95%+ unit test coverage
- Prototyped new mobile website using JavaScript and Backbone.js MVP Framework which currently accounts for 30% of Minted's online traffic
 - Implemented infinite scroll using React that improved the speed of scrolling on category/product pages by more than 10 times
- Contributed to design of new service orientated architecture (SoA) authentication, integrating Minted login with those of our partners

Software Engineer, Intern

Yext - New York, NY

January - April 2014

- Optimized data retrieval for subscription system using MySQL and Java with the Hibernate ORM framework used by more than 400,000 customers
- Integrated external APIs such as mailing (SendGrid) into internal facing subscription management platform

Technology Analyst, Intern

Morgan Stanley - Montreal, QC

January - April 2013

- Designed back-end testing framework using MongoDB and Spring IoC framework for Java for large-scale internal information capture system gathering live information for over 10,000 Fixed Income Products
 - Built to handle large volumes of asynchronous information (50 test transactions a second)

QA, Intern

Sybase (SAP) - Waterloo, ON

May - August 2012

- Contributed to Sybase Unwired web testing platform by implementing white and black box tests using Python and JavaScript

Education

University of Waterloo & Wilfrid Laurier University

Expected August 2016

Computer Science and Business Administration Double Degree

Recent Projects (Github: [rdlin](#), Challengepost: [rdlin1](#))

Tellalecture2me (<http://challengepost.com/software/tellalecture2me>)

- Data powered interactive voice response (IVR) software that connects free online learning resources to the 4 billion people around the world without internet using land lines
- Built with Python Flask backend + Heroku, JavaScript + Bootstrap frontend

Snaptivity (<http://challengepost.com/software/snaptivity>)

- Cross-platform mobile application to promote spontaneous interaction. Built with geography and timing in mind, connecting people to local events going on in the moment
- Built with Django Python framework, Angular.js frontend and Ionic HTML5 Mobile App Framework

Foodpulse.me

- Android app that connects your fridge to recipes you'll love and where to get ingredients by incorporating Google Prediction Machine Learning API and grocery store APIs
- Built with Java for Android and Node.js backend

Languages and Technologies

Proficient in: Python, Java, JavaScript, SQL

Study experience in: C/C++, Scheme

Skills: Mobile (Web, Android), AWS (EC2, SQS, S3), Databases (SQL, no-SQL), Test Driven Development, Agile