

Dru Lang

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Experienced software engineer offering a strong skill set in iOS and backend development with an interest in startups, mobile, marketing, and design.

TripAdvisor, New York, NY — *Software Engineer II*

March 2017 - Present

TripAdvisor is a travel review company that serves over 280 million unique visitors per month.

- Implement features for both iOS and Android that over 1 million people use daily
- Successfully launched an initiative to bring mobile ads to the map interface which brings in an additional 3 million dollars per year of additional revenue
- Implement features and bug fixes with a primary focus on the map interface
- Work closely with the designer to strike a balance between aesthetic and practical
- Continually write UI Snapshot tests and unit tests

PERSONAL PROJECTS

For a complete listing visit <http://drulang.com>

Ikeono, New York, NY

The check engine light for your bike. Ikeono monitors your bike's distance and alerts you when it needs service.

- Created iOS UI/UX in Sketch
- Implemented the iOS app in Swift 4
- Created landing page and social media accounts to gauge interest
- Implemented REST API with Django REST Framework
- Setup backend and dev servers running CentOS 7, PostgreSQL 10, Django 2.0

Dental WebSense, New York, NY

Dental WebSense provides web and mobile solutions for dentists.

- Created iOS UI/UX and marketing materials in Sketch
- Implemented white-label iOS app that uses multiple targets to provide a customized solution
- Created website utilizing Django and Bootstrap

PAST POSITIONS

Switch App, New York, NY — *Lead iOS Engineer*

January 2015 - March 2017

Switch is a job matchmaking app that pairs job candidates with employers.

- Work closely with the product manager and designer to plan sprints
- Manage remote iOS engineer
- Gather product specs and translate to engineering specs
- Responsible for the app release process for beta, release candidates, and production

- Maintain provisioning profiles, schemes, targets, and certificates
- Implemented client and server side caching
- Used Realm mobile database to store user's activity
- Wrote activity feed feature which utilized caching and local storage to handle offline
- Implemented Facebook user signup and login flow
- Worked on backend, creating various endpoints needed by the mobile clients

Orcatec, Remote — *Software Engineer*

October 2013 - January 2015

Orcatec is a document ingestion engine designed to help lawyers organize and search documents during the discovery phase of a case.

- Maintain the web document viewing feature
- Added support for handling different file types (i.e. eml and msg file types)
- Added various features such as zooming, rotation, and automatic user preference saving
- Fix and maintain the bulk document PDF rendering feature
- Refactored large portions of the codebase to be more reliable and fixed numerous bugs
- Implemented various dashboards to report system status
- Wrote extensive test coverage using Selenium test framework

Truliant Federal Credit Union, Winston-Salem, NC — *Application Developer*

February 2012 - October 2013

- Wrote business-loan payment processor to post scheduled multi-thousand dollar payments
 - Written in Python 2.7 with OOP principles
 - Used 3rd party SOAP Web Services, Core API and raw sockets to handle data
 - Multithreaded application to significantly reduce processing time
 - High profile project that was delivered on time and a huge success
- Python programs to solve automation and business needs
 - 20 jobs; functionality including file handling, SSH, SFTP, and HTTP scripting
 - Brought significant automation improvements to System Operations team
 - Write ad-hoc Python programs to solve immediate business needs
 - Wrote Python web application to allow a non-technical department control a mission critical batch schedule

Truliant Federal Credit Union, Winston-Salem, NC — *System Operations Specialist*

June 2010 - February 2012

- Maintained and monitored production batch schedule
- Wrote Python and Perl programs to automate and solve business problems
- Received "Rookie Award"
- Key leader during core conversion
- Worked heavily in creating financial job scheduling
- Led install, documentation, and training of UC4's Application Manager

EDUCATION

Appalachian State University — *B.S. Computer Science*

2005 - 2010 Boone, North Carolina

SKILLS

Languages Objective-C, Swift, Python, SQL

iOS Frameworks	Auto Layout, Core Data, Realm, Core Location, HLS, Core Animation, Store Kit, Crashalytics, Alamofire, AVFoundation, APNS
Other Frameworks	Django, Bootstrap, Flask, Celery, Django REST Framework
Databases	PostgreSQL, MySQL, Oracle, SQL Server, SQLite, Redis
Systems	CentOS 7, iOS, tvOS, OS X
Software	Xcode 9, Vim, Git, Mercurial, VirtualBox, Charles Proxy, Sketch, Fabric, Mixpanel