

# Christopher Le

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## Programming

Git, Stash, Bitbucket

Mongo, SQL

Python, Numpy, Sklearn, Pandas

HTML, CSS, JS, Node

C

Java, Android Studio

## Skills

- Full Stack Web Development
- Data Visualization
- Database Management
- Agile Project Management
- Scrum Master
- Design Thinking
- Event Planning

## Coursework

- Machine Learning
- Data Mining Analytics
- Artificial Intelligence
- Databases
- User Interfaces
- Financial/Managerial Accounting
- Spreadsheet Modeling
- Negotiations

## Education

2013 - 2017	<b>BS, Business Administration</b>	UC Berkeley
2013 - 2017	<b>BA, Computer Science</b>	UC Berkeley

## Experience

05/16 - 08/16	<b>Technical Product Manager Intern</b>	Hotwire, Expedia
Built and shipped two customer-facing features and explored the viability of a completely new revenue stream through modeling, analytics, and customer labs.		
06/15 - 12/17	<b>Undergraduate Student Instructor</b>	UC Berkeley
Taught 6 discussion sections and 4 lab sections for CS61A: <i>The Structure and Interpretation of Computer Programs</i> at UC Berkeley, which teaches computer science through Python, Scheme, and SQL		
06/14 - 10/15	<b>President</b>	Consult Your Community
Led a pivot away from traditional student consulting towards design thinking consulting with focus on implementation for local Berkeley small businesses, while facilitating 3 client engagements.		

## Research and Publications

ICML 2016	<b>Visualizing Online Learner Patterns</b>	UC Berkeley
Leveraging the Keras neural network library to identify clusters of Khan Academy's online learners through an LSTM Recurrent Neural Network, t-SNE, and various visualization frameworks: <a href="https://icmlviz.github.io/icmlviz2016/assets/papers/21.pdf">https://icmlviz.github.io/icmlviz2016/assets/papers/21.pdf</a>		
LAS 2017	<b>Enabling Real-Time Adaptivity in MOOCs</b>	UC Berkeley
Created an adaptive intervention in a MOOC utilizing real-time clickstream data and a machine learned model of behavior. Involved full stack development: integrating live web tracking, Mongo DB, backend Node server, and python threaded recommendation queue: <a href="http://dl.acm.org/citation.cfm?id=3051471">http://dl.acm.org/citation.cfm?id=3051471</a>		

## Projects

01/17 - 05/17	<b>Obstacle Avoidance Vehicle</b>	Hardware Project
Worked in a team of four to create a fully automated obstacle avoidance vehicle utilizing an accelerometer, two ultrasonic sonar sensors, and a PSOC 4 microcontroller. Also built out a livestream gui in Flask Socketio, HTML, CSS, and JS.		
06/15 - 03/16	<b>Riverene and Pym</b>	Client Projects
Designed the user flow and organization of two responsive websites, with an easy-to-use admin portal backend		
04/15 - 05/15	<b>Yelp Restaurant Inspection</b>	UC Berkeley
Utilized Python, machine learning, and natural language processing on a Yelp dataset to determine the restaurants with the highest risk of health violations in the Washington DC area		