

# Ben Kolb

bolbken.dev|  
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## EDUCATION

**VIRGINIA TECH**  
**BS IN CHEMICAL ENGINEERING**  
May 2017  
College of Engineering

## LINKS

Github:// **bolbken**  
LinkedIn:// **bolbken**  
Twitter:// **@bolbken**

## COURSEWORK

### GRADUATE

Advanced Machine Learning  
Open Source Software Engineering  
Advanced Interactive Graphics  
Compilers + Practicum  
Cloud Computing  
Evolutionary Computation  
Defending Computer Networks  
Machine Learning

### UNDERGRADUATE

Information Retrieval  
Operating Systems  
Artificial Intelligence + Practicum  
Functional Programming  
Computer Graphics + Practicum  
(*Research Asst. & Teaching Asst 2x*)  
Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Java • Shell • Python • Javascript  
OCaml • Matlab • Rails •  $\text{\LaTeX}$   
Over 1000 lines:  
C • C++ • CSS • PHP • Assembly  
Familiar:  
AS3 • iOS • Android • MySQL

## EXPERIENCE

### FACEBOOK | SOFTWARE ENGINEER

Jan 2015 - Present | New York, NY

### COURSERA | KPCB FELLOW + SOFTWARE ENGINEERING INTERN

June 2014 - Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.
- Led and shipped Yoda - the admin interface for the new Phoenix platform.
- Full-stack developer - Wrote and reviewed code for JS using Backbone, Jade, Stylus and Require and Scala using Play

### GOOGLE | SOFTWARE ENGINEERING INTERN

May 2013 - Aug 2013 | Mountain View, CA

- Worked on the YouTube Captions team, in Javascript and Python to plan, to design and develop the full stack to add and edit Automatic Speech Recognition captions. In production.
- Created a backbone.js-like framework for the Captions editor.

### PHABRICATOR | OPEN SOURCE CONTRIBUTOR & TEAM LEADER

Jan 2013 - May 2013 | Palo Alto, CA & Ithaca, NY

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

## RESEARCH

### CORNELL ROBOT LEARNING LAB | RESEARCHER

Jan 2014 - Jan 2015 | Ithaca, NY

Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments.

### CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 - May 2013 | Ithaca, NY

Led the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research.

## AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	1 <sup>st</sup> /50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7 <sup>th</sup> /120	CS 3410 Cache Race Bot Tournament
2012	2 <sup>nd</sup> /150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist