

# LIAM A. CRAWFORD

Software Engineer

Mountain View, CA (through mid-August)  
Iowa City, IA

**github:** theliamcrawford

**email:** liam-crawford@uiowa.edu

**website:** https://liamcrawford.me

## EDUCATION

**Expected:** May 2019

**GPA:** 3.93

### THE UNIVERSITY OF IOWA

**B.S. Computer Science, B.A. Philosophy;** *Iowa City, IA*

- *Achievements:* Presidential Scholar, Phi Beta Kappa, Dean's List (6), President's List (1)
- *Highlights:* Algorithms, Computer Security, Deep Learning, Theory of Computation

## SKILLS

(familiarity)

**LANGUAGES:** Python, Ruby, Java, C, C++, Haskell, Javascript, HTML, CSS

(alphabetical)

**PARADIGMS:** Deep Learning, Functional Programming, MVC, OO, RESTful APIs, SVN/Git

**TOOLS:** Chef, Git, Jekyll, JUnit, Maven, Rails, RSpec, RVM, SVN, Tensorflow

## EXPERIENCE

May 2018 – Present

### GOOGLE

**Software Engineering Intern;** *Mountain View, CA*

- Google Brain team; conducting mentored deep learning research in Python (specifically Tensorflow) in hopes of achieving state-of-the-art accuracy on classification datasets

May 2017 – Jul 2017

### CERNER

**Software Engineering Intern;** *Kansas City, MO*

- Refactored and enhanced a previously untested Chef cookbook affecting 18,600 nodes, while concurrently increasing RSpec test coverage to 80%
- Upgraded an existing Ruby on Rails project by adding visual success indicators and implementing a 'translations' feature to automatically convert template place holders

Mar 2016 – Present

### THE UNIVERSITY OF IOWA

**Undergraduate Researcher;** *Iowa City, IA*

- Developing a set of applications for early childhood based on Tools of the Mind curriculum
- Implemented team-determined features written in Python, Java, JavaScript, and HTML

## PROJECTS

June 2017

**BetterTimeClock** (*Cerner Intern HackFest*)

- Team-built a suite of applications – including a Chrome extension, iOS app, and C# desktop application - to improve the payroll time tracking experience of Cerner's hourly employees

Oct 2016

**Six Degrees of NFL Players** (*Midwest Big Data Hackathon*)

- Python web scraping and graphing libraries, collected and analyzed over 2 million data points to determine shortest path relationships between any two NFL players in history

## LEADERSHIP IN ACTIVITIES

Apr 2017 – Present

### ASSOCIATION FOR COMPUTING MACHINERY

- **President, Webmaster** (*Apr 2017 – Apr '18*)

Mar 2016 – Present

### UI PRESIDENTIAL SCHOLARS PROGRAM

- **President, Vice President** (*Apr 2017 – Apr '18*), **Secretary-Treasurer** (*Mar '16 – Apr '17*)

Received: Oct 2014

### EAGLE SCOUT