

## Shotaro Ikeda

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Github: <https://github.com/shotaroikeda>

Website: <https://shotaroikeda.github.io/>

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### Education:

**University of Illinois at Urbana-Champaign**

Urbana, Illinois

August 2014 – Present

B.S. Computer Science

Relevant Courses Taken:

GPA: 3.57/4.0

- CS 225 - Data Structures
- CS 241 - Systems Programming

Current Courses:

- CS 374 - Introduction to Algorithms and Models of Computation
- CS 427 - Software Engineering I
- CS 461 - Computer Security I

Full Course list is available on my website.

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### Skills/Languages:

Comfortable in: Python, C, and Swift. Proficient: Clojure, Haskell, HTML/CSS/Javascript, Java, and C++.

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### Personal Projects/Achievements

#### **HackIllinois 2017 Application**

May 2016 - Present

Open source project. Following the clue hunt application, I have been asked to create the official HackIllinois Application for Spring 2017. The application currently features generic event features such as Announcements, Schedule page, and Maps, in order for other community hackathons to have an easy, accessible, and modularized application to use.

#### **MoodTrackr**

June 2016 - Present

MoodTrackr (Work in progress) is an application to see what moods are around you using Twitter's API. Currently divided up the data into 1000 different files and ready to analyze it using a decision tree.

#### **LiquidActionButton**

June 2016

Open source project. I added more versatility such as customizing colors to the existing project, and helped obtain a small performance gain of about 5 FPS on iPhone 5 running iOS 9.3.

#### **HandReader2**

October 2015

This program uses a Naive Bayes classifier with Laplace smoothing to achieve a 84.3% accuracy using the MNIST Database. I decided to revisit this project, as I investigated new optimization techniques, from when I experimented with the original HandReader. In addition, this was designed for my students in CS 196, so I provided a MP-like skeleton and a comprehensive solution with a large amount of documentation.

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### Work Experience:

#### **CS 196 Course Assistant**

Champaign, Illinois

June 2015 – Present

I lead two teams/projects, Interest Matcher and Snappetite. Gave two series of lectures on Workflow and Machine Learning to freshman students. Currently part of the homework team, creating problem sets for students for the Fall 2016 semester.

#### **HackIllinois Branding Team**

Champaign, Illinois

August 2015 – Present

I administered the ClueHunt application/side event for HackIllinois 2016. Towards 2017, I am in charge of creating the official iOS Application as well as being part of the systems team (helping with creation of the backend, code reviews, etc.).

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### Future Interests:

Artificial Intelligence topics, namely Neural Networks, Genetic Algorithms, Natural Language Processing, SVMs.