

# Dylan Huang

<http://dylanhuang.com>  
dylan.p.huang@gmail.com | 650-799-0487

## EDUCATION

### UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

B.S. IN COMPUTER ENGINEERING  
Degree May 2019 | Champaign, IL  
GPA: 3.49

## COURSEWORK

### UNDERGRADUATE

Computer Systems Engineering  
Data Structures  
Discrete Structures  
Digital Systems Laboratory  
Computer Systems & Programming  
Probability w/ Engr. App.  
Analog Signal Processing

### OTHER

Code Path iOS University  
AP Computer Science

## SKILLS

### PROGRAMMING

Most used:

Python • C++ • C • Ruby  
SystemVerilog • CSS

Used before:

PHP • Swift • JavaScript • Java  
Assembly • SQL • MATLAB • Bash

Technologies:

Rails • React • Angular • iOS  
MySQL • PostgreSQL • Arduino • TTL  
Jenkins • Juju • Linux



### DESIGN

Premiere Pro • Photoshop  
After Effects

## EXTRACURRICULARS

Theta Tau - Engineering Fraternity  
Pulse - Tech Innovation Conference  
Film Hobbyist - Won Film Awards

## LINKS

GitHub:// [dphuang2](https://github.com/dphuang2)   
LinkedIn:// [dphuang2](https://www.linkedin.com/in/dphuang2) 

## EXPERIENCE

### ARM

#### SERVER PERFORMANCE INTERN

May 2017 – August 2017 | Austin, Texas

- Developed infrastructure to benchmark server workloads across multiple architectures to discover and investigate performance issues
- Built continuous integration software with Jenkins to automatically trigger Python codestyling and provide in-line feedback on Gerrit Code Reviews
- Designed and implemented efficient algorithm to estimate benchmark runtimes based on previous executions

### BERKMAN KLEIN CENTER AT HARVARD UNIVERSITY

#### GOOGLE SUMMER OF CODE | [DYLANHUANG.COM/STREAMSETS\\_SCRIPTS](https://dylanhuang.com/streamsets_scripts)

May 2016 – August 2016 | Cambridge, Massachusetts

- Successfully accomplished the integration of disparate data sources into 1 dataset by researching and designing an extensible data integration procedure
- Automated an otherwise error prone and time consuming data integration process used for [thenetmonitor.org](https://thenetmonitor.org)

## RESEARCH

### UIUC COMPUTER SCIENCE DEPARTMENT

#### RESEARCHER | [GITHUB.COM/DPHUANG2/TWEEDSTUDY](https://github.com/dphuang2/tweedstudy)

August 2015 – Present | Champaign, IL

- Investigate user content preference and the possible placebo effect of a social media control panel for algorithm awareness
- Developed website control panel that filters a Twitter news feed by emotional sentiment, algorithmically generated social distance, and tweet metadata

## PROJECTS

### POGOBAG | POKEMON GO ANALYTICAL TOOL

August 9, 2016 | [github.com/dphuang2/PoGoBag](https://github.com/dphuang2/PoGoBag)

- Developed high traffic website with Ruby on Rails and Angular
- Amassed 210,000+ unique users and 3,304,043 Pageviews in two weeks
- Peaked at 86,860 1 Day Active Users on August 11, 2016
- Attracted media from news sources around the globe: USA, China, Thailand, France
- Open-sourced GitHub repo with 164 Stars and 76 Forks

### ROOM OCCUPANCY COUNTER | WEB/MICROCONTROLLER SOLUTION

February 21, 2016 | [devpost.com/software/roomcounter](https://devpost.com/software/roomcounter)

- Designed front-end and back-end of website to receive HTTP requests from an Intel Edison board
- Provides web accessible occupancy count using touch and flex sensors
- Winner of Intel's Most Innovative Use of Intel Microcontrollers at Hack Illinois 2016