

### Skills

**Professional:**  
Java, HTML/CSS/SASS

**Proficient:**  
C++, C, Python

**Familiar:**  
C#, JavaScript, MIPS,  
Verilog

### Mobile Development

**Professional:**  
Android (Java/Kotlin)

### Awards

**Hackathons/CTF:**  
CodeDay Boston '15 "Best  
App" and "Best Project"  
PACTF '16 (Placed 8/~400)

## Education

University of Illinois at Urbana-Champaign 2016 – 2020

### B.S. Computer Science | GPA: 3.91

**CS125** – Intro to Computer Science, **CS126** – Software Design,  
**CS196** – Freshman Honors, **CS173** – Discrete Structures, **CS225** – Data Structures  
**CS233** – Computer Architecture, **CS241** – System Programming

Phillips Academy Andover 2013 – 2016

**CS650F** – Software Design, **CS650W** – Computer Graphics, **CS650F** – Data Structures

## Experience

### Actifio

*Summer 2017*

Greater Boston Area, Massachusetts

Actifio is a 'unicorn' in the Big Data industry. They help clients virtualize their data and allow for faster application delivery. I worked with the backend team to create production-ready patches and new features, which extended on IBM's SVC and in-house technologies. Daily, I used PostgreSQL, C, and C++ to write code for production, adding key features and optimizations to the product.

## Organizations

**CS196 Staff** - We run the freshman honors course.

Web Developer 2017 – present  
I use Flask/Python and HTML/SASS to help create the  
course website. [cs196.cs.illinois.edu](http://cs196.cs.illinois.edu)

Homework Question Designer 2017 – present  
I help create algorithmic questions similar to those asked in  
a technical interview setting. We try to prepare students for  
the industry by challenging to think creatively.

**HackIllinois Team** - We make HackIllinois happen.

Lead Android Developer 2016 – present  
I lead a team to deploy the event's mobile app  
every year, utilizing HackIllinois' RESTful API.

**ACM@UIUC** - The world's largest computing society.

"Top 4" – Treasurer 2017 – present  
The student chapter at Illinois is the largest of its  
kind, with hundreds of students and dozens of special  
interest groups (SIGs). I deal with yearly expenses.

## Past and Current Projects

**ACM@UIUC Messenger Bot** 2016 – present  
[github.com/dl-eric/ACMbot](https://github.com/dl-eric/ACMbot)

This project uses Facebook API, Messenger API, and  
Wit.AI to employ a functioning 'bot' that talks to users on  
ACM's Facebook page. Wit.AI uses natural language  
processing and natural language understanding to converse  
with humans.

**HackIllinois Android App** 2016 – present  
[github.com/HackIllinois/android-2017](https://github.com/HackIllinois/android-2017)

Uses a RESTful API to track announcements, user data,  
map data, and general event information.

**illiniLaundry** 2016 – present  
[github.com/illiniLaundry/illiniLaundry-android](https://github.com/illiniLaundry/illiniLaundry-android)

illiniLaundry is an open source Android app that gives  
users a live status report of every dorm's laundry machines.  
Using MVVM (Model View ViewModel) pattern, the app  
uses data binding as demonstrated by Google during  
Google I/O 2016.

**CoolPool** 2015  
[github.com/dl-eric/GULApp-CoolPool](https://github.com/dl-eric/GULApp-CoolPool)

A Java and JavaFX game I made to exhibit the Model View  
Controller design pattern.