

# Kenneth Lee | Software Engineer

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## Education

### Cornell University

Bachelor of Science, Computer Science

2013–2017

GPA : 3.80

### Relevant Courses

- OOP and Data Structures
- OS Practicum
- Analysis of Algorithms
- Artificial Intelligence
- Functional Programming
- Database Systems
- Computer Systems
- Data Driven Web Apps
- Machine Learning
- Distributed Systems
- Game Design Architecture
- High Performance Networks

### Course TA

TA-CS 4820: Analysis of Algorithms

Spring 2016

- Administered and graded exams and homeworks.
- Lead office hours teaching concepts of algorithms: greedy, dynamic programming, NP complete etc.

## Experience

### Samsara

Member of Technical Staff (Golang, React, Typescript)

Fullstack engineer leading development on the asset gateway product line.

- Released fullstack product features for the launch of the three hardware asset tracking products.
- Revamped technical phone screen for the engineering organization.
- Grew the asset gateway team to six engineers.

San Francisco, CA

August 2017-Current

### MongoDB

Systems Software Engineer (C,C++)

Implemented a fast low-latency transport layer for the databases network interface.

- Implemented shared memory support for sharding and replica sets.
- Implemented a transport layer ontop of OpenMPI between server and client drivers.

New York, NY

Summer 2016

### Chegg

Full Stack Software Engineer (Python, Javascript)

Worked on the online tutoring app Chegg Tutors using Django and PostgreSQL.

- Improved the sign in modal to carry on to the desired page after signing in.
- Created celery task cleaning up 3 million idle connections for the in-app messenger.

San Francisco, CA

Summer 2015

## Projects

Canon: Project Lead

C++

- Accepted to showcase at the Boston Festival Indie Games.
- Winner of best mobile game at GDIAC Cornell's game showcase.

Deserted: Project Lead

Java, yaml

- Accepted to showcase at the Boston Festival Indie Games.
- Fantasy Turn-based Tactics game developed on libGDX and OpenGL.

Distributed Playlist: Class Project

Python

- Implemented a fault-tolerant distributed playlist using 3-phase commit protocol.

GoT-War of 5 Kings Viz: Project

D3.js

- A data viz animating the movement/size of the armies during the War of the 5 Kings in Game of Thrones.

## Skills

Language: Golang, React, Typescript, Python, Java, C, C++, Javascript, OCaml, SQL, Ruby, HTML, CSS

Tools: AWS, Git, UNIX, Valgrind, D3.js, Django, Ruby on Rails, Docker, MongoDB, PostgreSQL