

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
- Network Market Design

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

MongoDB

Systems Software Engineer (C,C++)

New York, NY

Summer 2016

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.

Chegg

Full Stack Software Engineer (Python, Javascript)

San Francisco, CA

Summer 2015

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.

Weill Cornell Medicine

Web Intern (HTML/CSS)

New York, NY

Summer 2014

Worked with the web development team to create the new physician CMS.

- Created CSS and HTML templates for the website mockups.
- Learned QA process, AGILE methodologies, and web analytics.

Projects

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.

Funny LoL: Project

Ruby

- A web app displaying a stream of recently played funny champion and build combinations.
- data mines Riot's League of Legend API to construct a multivariate gaussian distribution to detect strange builds.

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.

Intern Coffee App: Hackathon

Swift, Node.js

- A fun iOS app for Chegg's internal hackathon in which fulltimers can request coffee from interns.

Skills

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

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