

KEVIN FANG

kevin21@mit.edu

<http://reddolution.com/>

EDUCATION

Massachusetts Institute of Technology

Sophomore GPA: 5.0, Candidate for B.S. in Computer Science

Cambridge, MA

2017-2021

WORK EXPERIENCE

Google

Software Engineering Intern for Google News

- Developed project from scratch in Swift and Objective C.
- Responsible for design and implementation of product.
- Led meetings and wrote design documents.
- Removed dependencies and compartmentalizing code in the iOS client.
- Documented extensively and fixed bugs.

Cambridge, MA

Jun 2018 - Aug 2018

MIT Computer Science and Artificial Intelligence Laboratory (CSAIL)

Undergraduate Researcher

- Worked with post-doc to find a better way to make word embeddings for structured data in different locations (mySQL databases and CSV files)
- Implemented modified version of Word2Vec to test different vector sizes and embedding techniques.

Cambridge, MA

Jan 2018 - May 2018

Oline Networks

Business and Software Intern

- Contacted Chinese suppliers, vetted products for quality, negotiated prices, and closed deals.
- Managed Social Media (cross promotion and user interaction)
- Automated tedious tasks in Python and Ruby and did UI development in C# (in Visual Studio)

Austin, TX

Dec 2015 - Aug 2016

Rivet Networks

Software Intern

- Worked on bug fixing, feature enhancement, and some back-end Python tools.
- Added GUI enhancements (animated sliding animations)/bug fixes and back-end features.
- Setup internal testing tool (with Raspberry Pi).
- Enhanced a networking speed test tool in python measuring TCP/IP, latency, and throughput.
- Coded in C#, C++, Python and used git.

Austin, TX

Jun 2015 - Aug 2015

PROJECTS

Relevant XKCD

- Machine Learning Project that helps find relevant XKCD comics.
- Used python sci-kit with SGDClassifier and Naive Bayesian Classifiers

2017

IMSwimmer

- For USA Swimmers to keep track of their progress
- Ruby on Rails with Bootstrap with Headless web-scraping with scrapy, nokugiri and selenium.

2016

iOS Development

- Developed over 13 apps over the years under the name Reddolution (games and productivity apps)
- MADS 24 (first app) - A numbers math game with over 200k downloads and hundreds of active players.
- QuickHW - Had around 3000 daily users for quick and easy homework management

2012 - 2017

SKILLS, ACTIVITIES AND INTERESTS

- **Technical Languages:** Fully Proficient: Python, Full Stack Web Development (Javascript [Node, Angular], HTML, CSS), Ruby on Rails, Django, Obj-C, Swift, C, Java.
- **Spoken Languages:** English, Chinese, Spanish
- **MIT Varsity Swimmer** and High School
 - Successfully managed school and athletics for over 9 years (Junior Nationals Qualifier)
- **Social Chair** for Baker House Dorm (2017-present)
- **HackMIT Organizer** Organizing one of the biggest college hackathons in the nation (2018-present)
- **Undergraduate Association** Tech Committee member (Fall 2017)
- **Learning Assistant** for Mathematics for Computer Science (Spring 2018)
- **Team Captain** of Westlake High School's computer science and swim team
- **Music:** acapella, piano, oboe, and music composition