

# Xinyu You

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## Education

### National University of Defense Technology

M.S. in Computer Science  
Expected Jun 2020 | Changsha, China

- Postgraduate recommendation
- Outstanding freshman scholarship

### Chongqing University

B.S. in Software Engineering  
2013 - 2017 | Chongqing, China

- 2017 TongZhen Scholarship (Top 4%)

## Skills

### Programming

Over 5000 lines:  
Python • Swift • Objective-C  
Over 1000 lines:  
JavaScript • SQL • HTML • CSS

### Data Science

Packages:  
Pandas • NumPy • Matplotlib • Scikit-Learn • PyMySQL  
Model:  
• Common Machine Learning Models

### Development

- iOS App Development
- Web Development

### Tools

- JupyterLab, Git, VS Code, XCode
- UI Design with Sketch

## Links

Blog:// [data2art](http://data2art)  
Github:// [yogayu](https://github.com/yogayu)  
LinkedIn:// [youxinyu](https://www.linkedin.com/in/youxinyu)  
Weibo:// [@yxydiscovery](https://weibo.com/yxydiscovery)  
Twitter:// [@yxydiscovery](https://twitter.com/yxydiscovery)

## Experience

### Google Summer of Code | Participant in Red Hen Lab

Apr 2019 - Present | Remote

Design and develop an online deep learning course for humanists

- 7,555 applications submitted by 31,000 registered participants, only 1,276 (4.1%) were accepted
- Mentor: Francis Steen, Mark Turner and Rajesh Kasturirangan
- Repo: <https://github.com/yogayu/deepLearningCourse>

### Baidu Inc. | Research and Development Engineer Intern

Dec 2016 - May 2017 | Beijing, China

- Implemented and fixed iOS client video module related functions: video release page, live display page, video player and data log, etc
- Optimized and developed automatic page refresh strategy and page preload list data strategy to effectively improve user experience

### Douban Inc. | iOS Software Engineer Intern

Jul 2016 - Nov 2017 | Beijing, China

- Participated in the douban summer camp and shared the experience from entry to the first App on the shelves
- Investigated iOS hotfix tools such as JSPatch, waxPatch and Rollout, and created JSPatch hotfix Demo
- Developed record page related requirements: customized list display, favorites, album details, comments, etc
- Optimized and fixed the iPad version App: redesigned the overall UI framework, adapt 10+ page layout and interaction

## Projects

### Online Course | EduCoder.net

Sep 2017 - Nov 2018

Designed and implemented two online courses on the EduCoder platform, which by April 2019 has nearly 30,000 registered users from 605 universities:

- Face Recognition Course: explain the basic principles and apply OpenCV, Dlib and Face Recognition to Face detection, Face feature extraction and Face Recognition
- Web Development Basic Course : including HTML and CSS basic knowledge and relevant practice project

### Pulse App | iOS Independent Project

Mar 2016 - Jun 2016

Pulse is a clean and beautiful Metronome

- Independently completed the whole process from idea, design, coding, propaganda to the shelf
- App introduction and download site: [pulse.data2art.com](http://pulse.data2art.com)

### Automatic abstract system of Weibo | Graduate Project

Apr 2017 - Jun 2017

Designed and implemented a Chinese Weibo automatic summary system

- Collected and preprocessed the Weibo topic data set
- Used Hybrid TF-IDF and TextRank etc. algorithms to summarize different topic sets and compared the performance through ROUGE evaluation
- Implemented a Web System using Bootstrap and Flask framework

## Awards

2019	Top 8 (30+ teams)	Best maker project of Huazhong HackFun maker marathon
2017	Top 1.5%	Excellent undergraduate graduation project of CQU
2016	Top 10% of 6,000 teams	2 <sup>nd</sup> price in National Computer Design Competition
2015	1 <sup>st</sup> price	"Smart Campus" application competition of CQU
2015	3 <sup>rd</sup> price	IBM Master the Mainframe Global Contest

# 游薪渝

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## 教育经历

### 国防科技大学

硕士学位, 计算机科学与技术  
2017.09-2020.06 | 中国长沙

保送研究生  
优秀新生奖学金

### 重庆大学

学士学位, 软件工程  
2013.09-2017.06

2017 上海同振奖学金 (前4%)

## 技能

### 编程

超过 5000 行  
Python · Swift ·  
Objective-C  
1000 - 5000 行  
JavaScript · SQL · HTML  
· CSS  
低于 1000 行  
R · Java · C · C++

### 数据科学

库:  
Pandas · NumPy ·  
Matplotlib · Scikit-Learn  
了解:  
· 常用机器学习模型

### 开发

一般:  
· iOS App Development  
了解:  
· Web Development

### 工具

· Git, JupyterLab, VS Code,  
XCode  
· UI Design with Sketch

## 链接

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Github:// [yogayu](https://github.com/yogayu)  
LinkedIn:// [youxinyu](https://www.linkedin.com/in/youxinyu)

## 实习经历

### Google Summer of Code Red Hen Lab 项目参与者

2019.05 - Present | 远程

- 共31,000人注册参与, 提交了 7,555 份申请, 其中仅 1,276 (4.1%) 个申请被谷歌接收
- 设计并实现一套面向人文主义者的深度学习课程 (全英文)
- 导师: Mentor: Francis Steen, Mark Turner and Rajesh Kasturirangan
- 项目仓库地址: [deepLearningCourse](https://github.com/deepLearningCourse)

### 百度 Inc. 研发工程师 实习

2017.12-2018.04 | 中国北京

- 实现并修复 iOS 客户端直播和视频模块相关功能: 视频发布页, 直播展示页, 视频播放器和数据埋点等
- 优化并实现直播页面自动刷新策略, 和页面预加载列表数据策略, 有效提高用户体验

### 豆瓣 Inc. iOS 工程师 实习

2016.07-2016.11 | 中国北京

- 参与豆瓣暑期夏令营, 分享从入门到上架第一款App的经验
- 调研 JSPatch, waxPatch 和 Rollout 等 iOS 热修复工具, 实现 JSPatch 热修复 Demo
- 实现唱片页面相关需求: 自定义列表展示, 收藏, 专辑详情, 评论等
- 优化并修复 iPad 版本: 完成整体框架搭建, 适配 10+ 页面布局和交互

## 项目

### EduCoder 在线教育课程

2017.09-2018.11

在拥有来自超过 603 所高校, 超过 30,000 用户在线教育平台 Educoder 平台上, 设计并完成两门在线教育课程:

- 人脸识别课程: 讲解基本原理并使用 OpenCV, Dlib 以及 Face Recognition 进行人脸检测, 人脸特征提取和人脸识别
- Web 基础开发课程: 包括 HTML5 与 CSS 相关基础知识与实践项目

### 新浪微博自动文摘系统

2017.04-2016.06

设计并实现一个新浪微博话题自动摘要系统, 该项目获得校级优秀毕业设计

- 收集并预处理新浪微博话题数据
- 使用 Hybrid TF-IDF 和 TextRank 等算法对话题数据进行摘要, 并使用 ROUGE 评估其性能
- 使用 Bootstrap 作为前端, Flask 作为后端, 实现了一个完整的 Web 系统

### 律动 iOS App

2016.04-2016.06

律动是一款简洁而美观的节拍器, 支持多种主题, 自定义节拍, 多种音色, 应用内购等功能

- 独立完成从开发应用, 设计, 开发到上架和营销。
- 应用介绍与下载地址: [pulse.data2art.com](https://pulse.data2art.com)

## 所获奖项

2019 前 8 (30+只队伍)

2017 前 1.5%

2016 前 10% (约 6,000 队伍)

2015 一等奖

2015 三等奖

华中 HackFun 创客马拉松大赛 最佳创客项目

重庆大学优秀毕业设计

中国大学生计算机设计大赛 全国二等奖

重庆大学智慧校园 App 设计大赛

IBM 大型计算机挑战赛个人赛