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

Development

• iOS App Development

Data Science

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

Tools

• Git, VS Code, XCode, Jupyter
• UI Design with Sketch

Links

Blog:// **data2art**
Github:// **yogayu**
LinkedIn:// **youxinyu**

Experience

Google Summer of Code | Participant in Red Hen Lab
Apr 2019 - Present | Remote
Work with Prof. Steen in UCLA to design and develop an online deep learning course for humanists
• Including perceptrons, feedforward neural networks and related project practices
• More than 31,000 students registered, 5,999 of whom submitted proposal, and only **1,276** students were selected **(4.1%, 16.9%)**
• 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
• 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

Brilliant Album iOS App   Two person team, coming soon on App Store
2019.05 - Present
Brilliant Album can help you quickly sort, organize, detection similar photos and search for photos by tags, periods, etc.
• Responsibled for the requirement design and UI design
• Customized UICollectionView to achieve quickly slide archiving and deletion of single photos

Online Course | EduCoder.net
Sep 2017 - Nov 2018
Implemented two online courses on the EduCoder platform, which by April 2019 has nearly 30,000 registered users from 605 universities:
• Face Recognization Course: explain the basic principle and apply OpenCV, Dlib, and Face Recognition library to Face Detection, Face feature extraction and Face Recognition. Link: https://www.educoder.net/paths/130
• Web Development Basic Course : including HTML and CSS basic knowledge and relevant practice project. Link: https://www.educoder.net/paths/15

Automatic abstract system of Weibo | Graduate Project
Apr 2017 - Jun 2017
Designed and implemented a Chinese Weibo automatic summary system
• 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	1st prize in Hunan	AIIA cup Artificial Intelligence tour "Sophon" station
2019	Top 8	Best maker project of HuaZhong Hack Fun maker marmthon
2017	Top 1.5%	Excellent undergraduate graduation project of CQU
2016	**Top 10%** of 6,000 teams	2nd price in National Computer Design Competition
2015	**1st** price	"Smart Campus" application competition of CQU

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

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++

开发
一般:
· iOS App Development
了解:
· Web Development

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

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

链接

Blog:// **data2art**
Github:// **yogayu**
LinkedIn:// **youxinyu**

实习经历

Google Summer of Code　Red Hen Lab 项目参与者
2019.05 至今 | 远程
与 UCLA 教授 Prof. Steen 探讨并完成一套面向人文主义者的深度学习课程

- 包含感知机，前馈神经网络以及相关项目实践
- 该项目共31,000人注册参与，共提交了 5,999 份申请，其中仅 **1,276 (4.1%,16.9%)** 个申请被谷歌接收
- 项目仓库地址: https://github.com/yogayu/deepLearningCourse

百度 Inc.　研发工程师 实习
2016.12-2017.04 | 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，应用 JSPatch 热修复
- 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

智能相册 iOS App　智能相册整理 App，两人团队，即将上架
2019.05 至今
功能: 快速定位不同时间点照片，为照片添加标签和描述; 相似照片整理和检测;
单张照片滑动快捷归档和删除; 照片搜索(包括时间、地点、标签等条件)。
- 负责 App 的需求设计和 UI 设计
- 自定义 UICollectionView 实现单张照片滑动快捷归档和删除

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 Link:
  https://www.educoder.net/paths/130
- 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

所获奖项

年份	成绩	赛事
2019	湖南省一等奖（第1名）	AIIA杯人工智能巡回赛"Sophon"赛站
2019	前 8 (30+只队伍)	HackFun华中黑客马拉松 最佳创客项目
2017	前 1.5%	重庆大学优秀毕业设计
2016	前 10% (约 6,000 队伍)	中国大学生计算机设计大赛 全国二等奖
2015	一等奖	重庆大学智慧校园 App 设计大赛