

JIAYI ZHAO

student
software engineer, UI/UX designer

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EDUCATION

Carnegie Mellon University, May 2020

B.S. in Information Systems and Human Computer Interaction with minor in Computer Science

SKILLS

Design

Sketch | Adobe Creative Suite | Invision, Marvel
Prototyping | Web Design | Digital Illustration | Visual Design

Languages

HTML, CSS, JavaScript | C | Python, Ruby | SML | Scala, Java | SQL

Frameworks/Systems

Ruby on Rails, Express, JQuery, React, Vue.js, Node.js | PostgreSQL, MongoDB, Redis, Hadoop, Spark | Unix, Linux, Kubernetes, Docker, Git

Development Skills

Database Design, Data Modeling, Data Analysis | Functional, Object Oriented, System, Network Programming | Web Application Design | Debugging, Unit Testing | Data Structure & Algorithms

COURSES

- Database Design & Development
- Application Design & Development
- Introduction to Computer Systems
- Great Ideas in Theoretical Computer Science
- Probability & Computing
- Communication Design
- Software Structures for User Interfaces

EXPERIENCES

McKinsey & Company | Software Engineer Intern

June 2018 - Present | New York, NY

- Develop applications and work close with product managers and designers to support solutions
- Develop internal slack applications to improve work efficiency and maintain information security

15-213 Intro to Computer Systems | TA

January 2018 - Present | Pittsburgh, PA

- Lead recitations and hold office hours
- Grade homework assignments (correctness & styles)
- Create and review exam questions
- Develop video-slide viewer system for students

Xiaomi Inc. | Software Engineer Intern

May 2017 - August 2017 | Beijing, China

- Created a url information analysis system and multiple vehicles' data mining modules
- Wrote technical documentation on Xiaomi's wiki

PROJECTS

Chess Camp Application | Full Stack, Designer

April 2018 - Present

- Establish data model and use cases based on case narratives and work in MVC and CRUD models
- Use Rails for model and API and React for view
- Design and prototype interface and interaction
- Use unit testing and source control

Video Slide Viewer | Full Stack, Designer

January 2018 - Present

- Establish data model and API, and design user interface
- Implement Database (MySQL), API (Express) and UI (React)
- Work in team with professor using source control

URL Data Mining System | Developer

July 2017 - August 2017 | Beijing, China

- Used machine learning and multiple data analysis methods to categorize webpages and generate user image tags based on mobile browser log (around 10 billion data entries)
- Improved analyzable browser data from 10% to 70%