Jianyi Gao

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EXPERIENCE

Frontend Development / UX Design Intern, InfoTech, Gainesville, FL   Present
- Collaborate with team to conduct user research, translating business requirements into wireframes, mockups and prototypes, developing web applications using Google Polymer,

Research Assistant, Computing and Society Engagement (CASE) , University of Florida   Present
- Working with local government and entrepreneurs to help them launch tech-based business.
- Consulting with clients to understand their goals and explaining research results, develop technologies envisioned and designed by them into high fidelity prototypes.

Teaching Assistant for Java Programming, University of Florida   Present
- Making assignments, projects, and exams for Java Programming, preparing lab materials and holding office hours to help students with difficulties understand course material better.

Web Development Intern, Happy Life Entitled, Gainesville, FL   Present
- Full stack web development, contributing creative ideas and insight for improving user ability.
- Implemented game pages for Treasure Hunting event, generating treasure location, populating markers on map, real time update on each treasure location.

Teaching Assistant for iOS Development, CodePath   Jan. 2017 – May. 2017
- Working with other teaching assistants to provide technique support for students taking iOS development in weekly help session.

PROJECTS

University of Florida Open Journal System   Present
- Developed a journal management and publishing system using Public Knowledge Project, an open source software, to help undergraduate research center improve efficiency and user experience.
- Creating visually appealing design, developing new user-facing features, and ensure the technical feasibility of UI design.

QÜ Web App   Dec 2017
- Developed Airbnb style parking spot sharing website with <u>MEAN stack framework</u>.
- Created CRUD module for both hosts and renters to operate parking spot and booking on server side with <u>Express.js</u>, manage user, parking spot, and booking information with <u>Mongoose</u>.
- <u>Product manager in Agile development team,</u> responsible for feature and strategy define.
- Deployed web app can be found at https://qu-park.herokuapp.com

Tweetter App   Mar 2017
- Twitter behavior like <u>iOS</u> app with user authentication developed in <u>Swift3</u>.
- Implemented user time line with <u>Twitter API</u>, fetch real-time tweets from authenticated user, remember logged in user when app restarts. Developed fully functional tweet, retweet, and like features.
- Source code and demo gif at https://github.com/JianyiGao/Twitter

Interdisciplinary Contest in Modeling   Honorable Mention   Jan. 2017
- Analyzing airport security screening process using <u>MATLAB</u> and <u>Java</u> based on Queueing Theory and Petri Net Model and providing economical solution

SKILLS

Programming languages:
Proficient: Java, C++, HTML, CSS, SQLite
Experienced: Swift, JavaScript, JQuery, MongoDB, NodeJs, ExpressJs, AngularJS, LaTex
Familiar: React, Python, Matlab, R

EDUCATION

Bachelor of Science in Mathematics and Computer Science   **Expected May 2019**
University of Florida, Gainesville, FL GPA: 3.6/4.0, Member of UF Honors Program
Relevant courses: Data Structure and Algorithm, Software Engineering, Database, Natural Language Processing with Python, Operating System, Computer Organization, Java Programming, C++ Programming