

# Jianyi Gao

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## EXPERIENCE

**Web Development Intern**, Happy Life Entitled, Gainesville, FL Present

- Full stack web development, contributing creative ideas and insight for improving user ability.
- Developed main game page for Treasure Hunting event website with HTML5, CSS3, Bootstrap, JQuery and Javascript on front end, generating treasure location, populating markers on map, real time update on each treasure location with NodeJS and MongoDB.

**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 to understand course material better.

**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.

**Business Development Intern at China Telecom**, Gainesville, FL May 2016 - May 2017

- Developing interpersonal skills on daily sales tasks, providing customer service, and seeking business opportunities. One of top 10% intern for past summer.

## PROJECT

**QÜ Web App** Present

- Developed Airbnb style parking spot sharing website with MEAN stack framework.
- Created CRUD module for both hosts and renters to get(read), post, put(update), and delete parking spot and booking on server side with Express.js.
- Implemented client-side routing with Angular-UI Router, manage user, parking spot, and booking information with MongoDB.
- Product manager in Agile development team, responsible for feature and strategy define.

**Sudoku Game** Present

- Implemented a Sudoku game with GUI in C++.
- Initialized Sudoku board with unique solution, validated user input during game session, ranked player by correctly filled grid numbers and completion time.
- Designed GUI with color identified for every number, highlight feature for rows, column, and section.

**Tweetter App** Mar 2017

- Twitter behavior like iOS app with user authentication developed in Swift3.
- Implemented user time line with Twitter API, fetch real-time tweets from authenticated user, remember logged in user when app restarts.
- Developed fully functional tweet, retweet, and like features that will simultaneously post on Twitter.
- 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 MATLAB and Java based on Queueing Theory and Petri Net Model and providing economical solution

## SKILLS

### Programming languages:

Proficient: Java, C++, HTML, CSS

Experienced: Swift, Bootstrap, SQLite, MongoDB, Node.js, Express.js, AngularJS, LaTeX

Familiar: Matlab, R, JQuery, JavaScript, React, PHP

## 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, Operating System, Computer Organization, Java Programming, C++ Programming