

# TIANCHENG (ALAN) LUO

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## EDUCATION

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**New York University, New York, NY**

Sept 2019 - May 2021 (expected)

M.S. Computer Science, GPA: 3.56 / 4.0

Teaching Assistant for iOS Programming and Practical Computer Security

**University of Iowa, Iowa City, IA**

Aug 2015 – Dec 2018

B.S. Computer Science, GPA: 3.88 / 4.0, Graduated with Distinction Honor

Tutor for Computer Science Department

## EXPERIENCE

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**Software Engineer Intern**

May – Aug 2020

HalloApp, Inc.

Palo Alto, CA

- Implemented the avatar feature to allow users to add, change, and remove their avatars.
- Created share extension to let users send content (such as images, videos, URLs) from other apps to our app, which received positive feedback from clients.

**Software Engineer**

Jan – Jul 2019

Advanced Institute of Information Technology, Peking University

Hangzhou, China

- Developed web and iOS apps and back-end servers to implement business solutions which increased productivity by 7% and decreased the sales team's working hours by 2 hours per market area.
- Wrote Python scripts to scrap information from machine production logs to identify failure symptoms that decreased downtime by 33%.

## PROJECTS

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**Shopcart**

Sept – Dec 2020

- Built a microservice for an e-commerce website using **Flask** as the framework, **RESTful API** as the architectural, and **PostgreSQL** as the database system.
- Implemented **unit testing (TDD)** and **behavior testing (BDD)** to speed up development and refactoring.
- Configured a **CI/CD** pipeline so that the app can be deployed to **IBM Cloud** three times faster.

**Price Tag**

Apr – Jul 2019

- Developed an iOS app for salespeople to collect and analyze price data and market demand; it enables more sales productivity by cutting data collection time by 50%.
- Implemented an iOS app (**Swift**) to scan price tags and detect price numbers through iOS build-in VisionRectangleDetection.
- Implemented a back-end server with **Flask** to accept images and query a pre-trained **CRNN** model for text recognition.

## SKILLS

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**Languages**

Python, Java, Swift, HTML & CSS, JavaScript, PHP, Ruby, SQL

**Frameworks**

Flask, Bootstrap, jQuery, React, Laravel, Ruby on Rails

**Tools/Technologies**

Git, Linux/Unix, macOS, Amazon Web Services, MySQL, Heroku, Docker

## CERTIFICATIONS

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- AWS Certified Developer – Associate
- AWS Certified Solutions Architect – Associate