

# Bou-Yu Chen

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## Overview

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Hybrid mobile app developer with 1+ year start-up work experience. Built software system from zero to production. Experience in cross-platform mobile development, web development, and prototyping.

## Skills

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**Frontend:** Angular, Bootstrap, HTML, CSS, fabric.js

**Backend:** RESTful API, Node JS, Express JS, Flask

**Mobile:** Ionic, Cordova

**Cloud Service:** Firebase, AWS EC2, AWS S3, Github, cpanel

**Languages:** Javascript (ES6), Typescript, Python, C++

## Experience

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Lalinko Corporation, Santa Clara CA

**Software Engineer**

June 2019 to Present

- Leadership
  - Mentored and led 2 Software Engineers to develop commercial mobile and web applications
  - Collaborated with the team to draft software specifications and to manage project timelines
- Hybrid mobile app development
  - Architected and developed Lalinko Free on both Android and iOS that manages contacts and business cards digitally and provides big data analytics. Leveraged **QR code** technology, **Ionic, Angular, fabric.js, Cordova, Firebase** and **git**  
**Android:** (<https://play.google.com/store/apps/details?id=com.lalinko.app>)  
**iOS:** (<https://apps.apple.com/us/app/lalinko-digital-business-card/id1494422795>)
  - Enabled Lalinko Free to render 3000+ contacts smoothly by leveraging virtual scrolling and developing custom components
  - Improved **OCR** recognition speed by 4000% via replacing tesseract.js with Cordova OCR plugin
  - Customized 3 **Cordova** plugins by modifying Android and iOS Native code
  - Optimizing npm packages used and reduced application size by 75%
- Web application development
  - Developed digital business card web application with CRM functionalities for small business teams using QR code technology, **Angular, AngularFire, CSS, Bootstrap, HTML** and **fabric.js**

Lilee Systems, San Jose CA

**Software Engineer, Intern**

July 2018 to December 2018

- Utilized Python to extract and analyze over one million data points from **ROS** bag files to benchmark the velocity, acceleration and trajectory of our self-driving bus to improve passenger comfort
- Developed an onboard dashboard displaying the lidar view, camera footage, and traffic signal of the trip using **Python** and **Linux tools** to educate and inform passengers on the self-driving bus status

## Education

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**San Jose State University**, San Jose, CA

December 2018

**Software Engineering, M.S.**

**Pennsylvania State University**, University Park, PA

December 2014

**Energy Engineering, B.S.**