

# Bou-Yu Chen

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## Overview

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Ambitious Software Engineer with 2 years hands-on experience of cross-platform mobile and web application development with eagerness to master full-stack development and software architecture. End-to-end software development adept.

## Skills

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**Frontend:** Angular 2+, RxJS, Bootstrap, HTML, CSS, AngularFire, fabric.js, three.js

**Backend:** Node.js, Express.js, Flask, Apache HTTP Server, Nginx

**Mobile:** Ionic, Cordova

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

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

## Experience

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Lalinko Corporation, Santa Clara CA

### Founding Software Engineer

June 2019 to Present

- Lalinko offers digital Contact Management with Big Data Analytics
- Leadership
  - Led a team of software engineers and executed stages of the Software Development Life Cycle to actualize concepts into Lalinko's core products
- Web application development
  - Architected and developed Lalinko Pro, a responsive web application that assists users with the prospecting stage of the CRM pipeline, leveraging Angular and Firebase
  - Developed core features allowing users to design, assign business cards and manage employee accounts utilizing Fabric.js, AngularFire and RxJS
  - Spearheaded the full stack development of customer sign up and email verification system using Angular, Firebase Admin SDK, Nodejs and Nodemailer
  - **Technology stack:** Ionic, Angular, Angularfire, RxJS, fabric.js, Bootstrap, CSS, HTML, Firebase (Authentication, Firestore, Storage), Node.js, Nodemailer, Firebase Admin SDK, git, VS code
- Cross platform mobile app development
  - Architected, developed and published Lalinko Free on both Android and iOS leveraging **Ionic, Cordova, OCR**  
**Android:** (<https://play.google.com/store/apps/details?id=com.lalinko.app>)  
**iOS:** (<https://apps.apple.com/us/app/lalinko-digital-business-card/id1494422795>)
  - Scrapped and parsed ~5000 web pages utilizing **Python** and leveraging beautiful soup library to provide big data analytics for users

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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<b>M.S.</b> , Software Engineering	San Jose State University, San Jose, CA	Dec.2018
<b>B.S.</b> , Energy Engineering	Pennsylvania State University, University Park, PA	Dec.2014