

Bou-Yu Chen

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Overview

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

Skills

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

Lalinko Corporation, Santa Clara CA

Founding Software Engineer

June 2019 to March 2021

- 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 enterprise sales teams with the prospecting stage of the CRM pipeline, leveraging Angular and Firebase
 - Developed core features allowing sales team admins 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, Angular, 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

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