

# SHANE LI

## CURRENT ADDRESS

400 MCCUTCHEON DRIVE  
ROOM 157, Box 1400  
WEST LAFAYETTE, IN 47907

U.S. CITIZEN  
(408) 768-4974  
LI2137@PURDUE.EDU

## PERMANENT ADDRESS

4521 ELMHURST DRIVE  
SAN JOSE, CA 95129  
ATTN: SHANE LI

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## EDUCATION

PURDUE UNIVERSITY, WEST LAFAYETTE, IN  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
CUMULATIVE GPA 3.27/4.00, MAJOR GPA 4.00/4.00

EXPECTED MAY  
2019

## EXPERIENCE

### PROSPECT HIGH SCHOOL ROBOTICS TEAM

2012 – 2015

#### PRESIDENT (2014 – 2015)

- MANAGED THREE SUB-TEAMS OF TEN TO FIFTEEN PEOPLE WITHIN THE ORGANIZATION
- PRESENTED PRESENTATIONS AT NUMEROUS CORPORATE AND COMMUNITY EVENTS (BROCADE COMMUNICATIONS, OOCL, STANFORD ROBOT BLOCK PARTY, SILICON VALLEY ENGINEERING COUNCIL, ETC.)
- DELEGATED WORK TO OTHER OFFICERS TO MAXIMIZE EFFICIENCY
- WORKED WITH FINANCIAL TEAM TO DRAFT BUSINESS PLANS AND GRANT PROPOSALS
- ORGANIZED TEAM TRIPS TO OUT-OF-STATE AND IN-STATE COMPETITIONS
- FUNDRAISED OVER 30,000 DOLLARS DURING TIME AS PRESIDENT

#### VICE PRESIDENT (2013 – 2014)

- OVERSAW PRODUCTION OF COMPETITION/PRACTICE ROBOTS
- MANAGED TEAM LEADERS FOR EACH SUBSYSTEM
- CREATED COURSES TO TRAIN MEMBERS OF TEAM IN DIFFERENT FIELDS INCLUDING MACHINING, SOFTWARE AND MARKETING
- COORDINATED WITH PARENTS TO BRING REAL WORLD EXPERIENCE INTO TEAM

#### SOFTWARE LEAD (2012 – 2015)

- MANAGED THE DEVELOPMENT OF SOFTWARE FOR VARIOUS PROJECTS
- PRODUCED CODE FOR AUTONOMOUS DRIVING OF ROBOT
- INTEGRATED GYROS, ENCODERS, POTENTIOMETERS, HALL EFFECT SENSORS TO WORK TOGETHER IN ORDER TO ACHIEVE SMOOTH OPERATION OF ROBOT

## PROJECTS

### BOILERMAKE HACKATHON 2015

2015

- CREATED IOS APP CALLED "FARE IT" USING SWIFT IN XCODE
- APP HELPS A GROUP OF PEOPLE DECIDE WHERE TO EAT BASED ON LOCATION
- IMPLEMENTED YELP API TO GENERATE RANDOM RESTAURANTS BASED ON LOCATION

### "CODE RED" DOOR JAMMER (DESIGN AND MASS PRODUCTION COMPLETE, IN USE)

2015

- OVERSAW DESIGN AND PRODUCTION OF MECHANISM TO PREVENT SHOOTERS FROM ENTERING CLASSROOMS AT PROSPECT HIGH SCHOOL IN SARATOGA, CA
- COMPACT DEVICE WITH QUICK AND EASY DEPLOYMENT ON DOOR HANDLE
- MADE FROM STEEL, ABLE TO WITHSTAND UP TO 3600 LBS OF FORCE

## SKILLS

### PROGRAMMING

- JAVA (PROFICIENT), ANDROID DEV (BEGINNER), IOS DEV (BEGINNER)

### SOFTWARE

- SONY VEGAS (ADVANCED), SOLIDWORKS (PROFICIENT), PHOTOSHOP (PROFICIENT), MESHCAM/VECTRIC 2D (PROFICIENT), ADOBE ILLUSTRATOR/AFTER EFFECTS (INTERMEDIATE),

### MECHANICAL

- METAL LATHE (EXPERT), PNEUMATIC SYSTEMS (EXPERT), CNC MILLING MACHINE (PROFICIENT), MILLING MACHINE (PROFICIENT), SOLDERING (INTERMEDIATE), PCB DESIGN (BEGINNER)