

# Denny Luong

COMPUTER ENGINEER

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## Profile Summary

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|------------------------|---|
| <b>Technology</b>      | Android Application Development, Web Automation, Application & Unit Testing, Responsive Web Design            |
| <b>Soft Skills</b>     | Coaching, Leadership, Project Management, Conceptual Thinking, Team Oriented, Analytical                      |
| <b>Accomplishments</b> | Avanade - Analyst of the Month (October 2019)   IEEE Feature - Build-a-Bot Competition and Makerspace Founder |
| <b>Certifications</b>  | UI Path - Developer Diploma   Microsoft 70-480 - HTML5/CSS3/JS Certification                                  |

## Education

May 2018 **University of Houston/Houston, TX**, B.S. Computer Engineering

GPA: 3.23

## Work Experience

### Avanade Inc. - Houston HQ

Framingham, MA | London, UK

SOFTWARE ENGINEER | QUALITY ASSURANCE ENGINEER | ASIAN AFFINITY GROUP CO-CHAIR

Aug. 2018 - Oct. 2019

- Developed global caching system for 100+ models to be processed and storage of data used across 11 calculation modules.
- Established robust End to End test automation suite, increasing 60 tests to 110+, while optimizing code base by 20%.
- Improved client's original calculations, testing additional data taken from different factories, with a max of  $\pm 0.02\%$  error.
- Verified reports generated from QA team to determine inaccuracies across legacy application and newly developed application.
- Coached business analysts, product owners, and software developers on paired programming to fix bugs and fill information gaps.
- Decreased training times for new resources, created video demonstrations and implemented standardized documentation processes.
- Implemented Material UI Design and standard user patterns when redesigning client Angular application to increase ease of use.
- Established models from test scenarios during UAT sessions and implemented testing standards for developers to follow.
- Recruited employees to establish Asian Affinity Groups in 5 different regions L.A, Houston, Dallas, Boston, and New York.

## Projects

### ECEDHA Conference and University Makerspace

Houston, TX | Monterey, CA

UNIVERSITY REPRESENTATIVE AND MAKERSPACE DIRECTOR

Mar. 2017 - Present

- Collaborated with the Dean of Electrical Engineering to exhibit projects to showcase student involvement and ingenuity.
- Managed 10 students on 2 projects in design and development of an Augmented Reality campus replica and swarm robots.
- Mentored students on proper testing procedures, building prototypes, how to manage projects, and gather funding from sponsors.

### Project Stride - Energy Harvesting Shoe

Houston, TX

SENIOR DESIGN - PROJECT TEAM LEADER | ANDROID APP DEVELOPER

Aug. 2017 - May 2018

- Secured company sponsor, led 3 members to construct self charging wearable prototype, located Alzheimer patients every 5 minutes.
- Developed android application in Java to communicate with prototype, retrieve data, and provide alerts based upon collected data.

## Professional Development

### Build-a-Bot Competition and Workshops

Houston, TX

FOUNDER AND DIRECTOR

Aug. 2017 - May 2019

- Director of 1st competition at university to teach students robotics, with 110+ participants, volunteers, and sponsors in attendance.
- Conducted 2 workshops, 45+ participants on how to assemble robots by soldering, reading circuit diagrams, and programming in Arduino.
- Mentored 20+ student facilitators on competition scenarios to provide participants learning advice in lieu of answers.
- Secured \$10K from 5 sponsors at tech conferences to finance hardware, provisions, and promotional materials.
- Designed competition, roles, and prototypes to produce a simple to follow plan for facilitators and participants.

### Student Advisory Committee

Houston, TX

ARRANGEMENT OFFICER | COMPANY REPRESENTATIVE

Jan. 2016 - Apr. 2019

- Moderated and conducted 20+ mock interviews and resume critiques to prepare students inexperienced in professional development.
- Managed cost, acquisition of funds, and provisions for organization meetings with students, staff, and industry professionals to network.

### Angular Bootcamp

Houston, TX

PROJECT TEAM LEADER

Feb. 2019 - Mar. 2019

- Directed a team of 4 Software Engineers to build an online academy, by assigning specific tasks to complete, and achieved 1st place.
- Reviewed and tested team members' code using Selenium (C#) to automate user interactions to detect bugs and defects.

## Skills

|                    |  |
|--------------------|--|
| <b>Programming</b> | C#, Java (1 year experience each)   HTML, JavaScript, Python, C, Angular (3 months each) |
| <b>Software</b>    | Android Studio, Selenium, Marvel Prototypes, Source Control                              |
| <b>Languages</b>   | English - Fluent   Cantonese - Conversational  |