

# Leo Xia

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## Education

**The University of Texas at Austin**  
**B.S. Electrical Engineering**

Expected Graduation: May 2018  
Overall GPA: 3.13/4.00

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## Experience

**Roku** – Austin, Texas

**05/2016 – 08/2016**

*QA Intern*

- Wrote automated tests for streaming products with Python using Brightscript's API for company wide testing
- Set up an automation lab for testing on TVs and Set Top Boxes for multiple brands and software versions
- Debugged issues with existing automated tests in Jenkins and implemented fixes/enhancements
- Manually tested and filed for Jira tickets in manufacturer smart TV firmware releases

**Student Entrepreneurship Fellowship** – Austin, Texas

**06/2015**

- Pursued business opportunity in the radio ranking business after value validation
  - Conducted customer interviews with large commercial radio stations and advertising agencies
  - Studied lean canvas methodology and its practical application usage
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## Projects

**Checkmark** – iOS productivity app, HackTX

**09/2015**

- Programmed in Swift using Parse API, GeoPoint integration, software debugging, functional testing
- Allows users to check into meetings when in the vicinity to promote meeting time efficiency

**Street Fighter** – Software on microcontrollers, Embedded Systems Class

**04/2015**

- Programmed in C onto TI's TM4C123 microcontroller
- Interfaced hardware including LCD, speaker, DAC, ADC, UART, buttons, slider
- Generated AI algorithm using random number generator with distance prediction
- Collaborated on software development in a team of two through SVN

**FindTexas** – iOS search app

**03/2015**

- Programmed in Swift, practiced software design using flowcharts, call graphs, and data flow graphs
  - Designed to retrieve the phone number of any undergraduate student on campus given name and class by manipulating the URL string of the university's directory and retrieving its HTML source code
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## Leadership

**3 Day Startup** – UT Austin

*Lead Organizer*

- Single handedly raised \$500 from local sponsors to help cover costs of event
- Interviewed and selected 25+ technical applicants based on qualifications and communication skills
- Volunteered 30+ hours setting up the event and providing mentorship to participants

**Code Orange** – UT Austin

*Mentor*

- Tutored mentee in basic coding techniques and fundamentals with Scratch to create mini-games
- Organized a Demo Day for all participants to present semester long video game projects
- Presented with K-12 STEM Outreach certificate after 15+ hours of service

**Tutor** – UT Austin

- Reinforced circuit analysis ideas on exams and homework for students enrolled in Circuits class
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## Technical Skills

- C, C++, Python, Java, Assembly for ARM Cortex M4, JavaScript, Swift, HTML, CSS, LabVIEW
- Schematic Capture, Hardware Interface, Perforce, Telnet, Serial Connections, UNIX, Testrail, Jira