

Lawrence Lin Murata

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Education

- Stanford University**, Stanford, CA 9/13-present
- Pursuing BS degree in Computer Science (focus on Artificial Intelligence)
 - Coursework includes introduction to Machine Learning (**R**, **python**), Computer Organization and Systems (**C**, **Assembly**, **C++**), Computer Systems (**C**, **C++**), Programming Methodology (**Java**), Programming Abstractions (**C++**), iOS Development (**Swift**, **Objective-C**), Web Apps (**JavaScript**, **HTML**, **CSS**), HCI and Design (**Java**, **HTML**, **CSS**), Nano/Micro Engineering (practical projects)

Experience

- Stanford University** (Computer Science Department), *Teacher*, Stanford, CA starting in 9/15
- Started a new 2-units Computer Science course at the university by revamping and redesigning the curriculum of an inactive course. The new course I structured and teach is CS 90SI: Using Web Technologies to Change the World
 - Teaching web technologies, software development techniques and how to use CS for social change to 20-25 students
- Apple Inc.**, *Software Engineering Intern (Summer)*, Cupertino, CA 6/15-present
- Working in Siri development team
- CS+Social Good**, *President and Co-founder*, Stanford, CA 12/14-present
- Leading/structuring Stanford's 1st official student organization focusing on the intersection of Computer Science and social change
 - Within our first 6 months: 3 press articles about us, 70+ applications for 6 board positions, 11 board members and 480 people registered for the first 3 events we've organized
- OneTune.fm** (music startup), *Co-founder*, San Francisco, CA 7/14-present
- Managing team of 4. Working in every area including development, product, marketing and business
 - Backend built with node.js and frontend with jQuery and CSS. iOS app in Objective-C
 - 1500 registered users in first 2 hours of public exposure. OneTune 1.0 got to front page of Reddit on launch day
- Washington Post Group** (Trove team), *Software Engineering Intern (Summer)*, San Francisco, CA 6/14-9/14
- Implemented advanced search feature that offers more alternatives and flexibility for users than Google's advanced search. Total of 18 query options and operators with multiple combinations allowed against Google's 13 options with limited combinations
 - Worked with Python, Whoosh, Solr in the Platform/Backend team. Rewrote/designed the entire search query language (with its syntax and search system) and integrated it in the company's search
 - Won 1st place in company's hackathon by seamlessly integrating Trove with music and videos from Soundcloud and Youtube. Created a music/video feature with strong human element (encouraging curation) that might become a new feature
- Apoe Um Talento** (education startup), *Co-founder/CEO*, São Paulo, Brazil 3/13-6/14
- Helped talented Brazilian students find sponsors for educational opportunities in the USA through crowdfunding and sponsorship
 - Raised R\$367,095.09 for scholarships in 4 months. Featured in most popular news sites, magazines, newspapers, TV programs. Partnership with BTG Pactual and Fundação Estudar

Honors / Awards

- **2nd Place and "Smart Things Prize" at HomeHacks**, Stanford Robotics' hackathon sponsored by Google Nest and Microsoft (2015)
- **"Best Commerce Hack" by eBay/PayPal** at Cal Hacks, "largest-ever hackathon of any kind." Competed with 1500+ hackers (2014)
- **Featured in INFO, the biggest tech magazine in Brazil**, on a 6-pages article about my projects and ideas (2014)
- **1st Place at Trove Hackathon**. Competed with all the engineers in the company (2014)
- **Merit-based scholarship** for college (\$50,000) by renowned businessman, Fundação Estudar (founded by richest man in Brazil; most prestigious scholarship in country) and BTG Pactual (multinational investment bank) (2013)
- **Featured by 15+ news sources**, including Yahoo Notícias, Exame (biggest business magazine in Brazil), UOL, Estadão Newspaper (2nd most popular newspaper in Brazil) and US Embassy in Brazil
- **Science Olympiads – Brazilian Physics Olympiad** (Finalist, Honorable Mention in 2012), **São Paulo Chemistry Olympiad** (Finalist, text published by University of São Paulo as model in 2011), **Brazilian Olympiad in Informatics** (Top 15% in 2010)

Some Independent Projects

- **Larry Bot**: smart personal assistant can connect/automate homes and simplify daily tasks. Over 20 capabilities: emailing, scheduling meetings, controlling temperature (Google Nest), expressing emotions (LED cubes) and controlling home appliances through voice
- **Exoplanets ("Finding Home" Project)**: uses machine learning and astrophysics to find exoplanets that are habitable to human beings
- **SmartBox**: web-based personal assistant. It processes language, recognizes voice and measures your brain activity (through our hardware that measures your body's resistance) to understand your needs and connect you to the appropriate service
- **Nano-Engineered Chips for Wearable Computers**: prototypes for flexible chips for wearable devices using polyamide substrates (for flexible boards) with metal circuits (E-Beam Evaporation)
- **Heap Allocator**: efficient heap memory management (dynamic allocation functions) with optimal balance of utilization and throughput
- **Intelligent Encoding Robot**: can encode/decode any file efficiently by leveraging the user's feedback and data it stores after encoding

Additional Information

- Fluent in Spanish and English, native speaker of Portuguese, intermediate skills in Mandarin, beginning skills in Japanese
- Writing/speaking about technology and startups on The Stanford Daily and Estudar Fora (the website gained 1.5 million views in very short time). Also a Kairos Society Fellow and member of The Garage in Pejman Mar Ventures