

Lawrence Lin Murata

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Education

9/13-present **Stanford University**, Stanford, CA

- Pursuing BS degree in Computer Science with focus on Artificial Intelligence and minor in Electrical Engineering. Several independent side projects in Web Design, Web Development, Research and Electrical Engineering
- Coursework includes Programming Methodology (Java), Programming Abstractions (C++), Computer Organization and Systems (C, Assembly, C++), Database/Information Management, Startups, Javascript, HCI and Design, Nano/Micro Engineering (practical projects)

2/13-4/13 **University of São Paulo (USP)**, São Paulo, Brazil

- Computer Engineering dropout. Courses included Experimental and General Physics, Computer Science (Python), Differential and Integral Calculus, Linear Algebra, Graphical Geometry, Engineering Chemistry
- Most prestigious university in Brazil. Class Representative. "Introduction to Engineering" Leader

2/10-12/12 **Colégio Bandeirantes**, São Paulo, Brazil

- Focus: Science/Mathematics. Rank: 1 / 520 – GPA: 9.5/10 – SAT: 2350 (Math 2: 800/ Chem: 790/ Phys:760)
- University-level courses included Advanced Mathematics, Advanced Chemistry, Programming (C,C++) and preparatory courses for Science Olympiads

Honors/Awards

- "Best Commerce Hack" by eBay/PayPal at Cal Hacks, the largest-ever hackathon. Competed with 1500+ hackers (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. First and only recipient (2013)
- Featured by 15+ major news sources, including INFO magazine (6-pages article in the biggest tech magazine in Brazil), Yahoo Notícias, Exame Business, Estadão Newspaper and Official page of US Embassy in Brazil
- Scholarship for college by Fundação Estudar (founded by richest man in Brazil; most prestigious scholarship in country) and BTG Pactual (multinational investment bank)
- Brazilian Physics Olympiad – Finalist, Honorable Mention (2012)
- Writers' Festival – 1st place/Gold Medal (2012)
- São Paulo Chemistry Olympiad – Finalist, text published by University of São Paulo as model (2011)
- Brazilian Programming Olympiad – Top 15% (2010)

Experience

7/14-present **Co-founder**, OneTune.fm (music startup), San Francisco, CA

- Work in every area including development, product design, marketing, business and recruiting.
- Backend built with node.js and frontend with jQuery and CSS. Native iOS app.

6/14-9/14 **Software Engineering Intern (Summer)**, Trove, San Francisco, CA

- Work with Python, Whoosh, Solr in the Platform/Backend team. Rewrote/designed a search query language (with its syntax and search system) and integrated it in the company's search.
- Won 1st place in the company's hackathon by seamlessly integrated Trove with music and videos from Soundcloud and Youtube. Created a music/video system with strong human element (encouraging curation) that'll be used as a new feature.

9/13-9/14 **Head of Business/Board Member**, SELA (Stanford's group for entrepreneurship in Latin America), Stanford, CA

- Oversee marketing, manage activities, develop projects, and organize conferences

9/13-present **Columnist/Vlogger**, Estudar Fora, São Paulo, Brazil

- Write and speak about studying abroad, technology and entrepreneurship. The website gained 1.5 million views in very short time

3/13-6/14 **Founder/CEO**, Apoie Um Talento, São Paulo, Brazil

- Startup that helps talented Brazilian students find sponsors for educational opportunities in the USA through crowd funding 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

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Some Projects and Additional Information

Some projects

SmartBox: 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: Developed prototypes for flexible chips for wearable devices using polyamide substrates (for flexible boards) with metal circuits (E-Beam Evaporation) in the Stanford Nanotechnology Laboratory.

Heap Allocator: An optimal C Heap Allocator from scratch. Manages heap memory and implements dynamic allocation functions. Designed for efficient memory management with optimal balance of utilization and throughput. Required individual research and very fast iteration to come up with a design that was highly efficient even when compared to the libc malloc package.

iMous.org: Lets people use their keyboard and mouse by tracking their eye movements with image processing/computer vision.

My Mood: Mood analytics that uses NLP on user's Facebook posts/wall.

Intelligent Encoding Robot: Smart encoding software to encode/decode any types of file in the most efficient way possible. After encoding a file with Huffman algorithm, stores data about the encoding process on the database together with user's feedback. Next time, it checks the database and analyzes the information stored about the previous encoding/decoding processes to make better encoding/decoding decisions.

Additional information

- Fluent in Spanish and English, native speaker of Portuguese, intermediate skills in Mandarin, beginning skills in Japanese