Lawrence Lin Murata

(650) 390-3867   lawrence@lawrencemurata.com   lawrencemurata.com   P.O. Box 15363   Stanford, CA 94309

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, Electrical Engineering and Hackathons
- Coursework includes Programming Methodology (Java), Programming Abstractions (C++), Computer Organization and Systems (C, Assembly, C++), Database/Information Management, Nano/Micro Engineering (practical projects)

2/13–4/13 University of São Paulo, São Paulo, Brazil
- Computer Engineering. 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++)

Honors/Awards

- Merit-based scholarship for college ($50,000) by renowned businessman. First and only recipient (2013)
- Featured by 40+ major news sources, including 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)
- Sao Paulo Chemistry Olympiad – Finalist, text published by University of Sao 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.

7/14–present Software Developer, Stanford University, Stanford CA
- Chosen to rewrite software and build Stanford Social, an exclusive social network within Stanford

6/14–present Software Developer (Summer Intern), The Washington Post (Trove team), San Francisco, CA
- Work with Python, MySQL, Whoosh, SOLR Index in the Platform/Backend team.
- Rewrote/designed a search query language (with its syntax and search system) to be used in the company's search.

9/13–present Head of Business/Board Member, SELA (Stanford's group for entrepreneurship in Latin America), Stanford, CA
- Oversee marketing, make decisions, 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. Website gained 1.5 million views in very short time

3/13–6/14 Founder/CEO, Apoie Um Talento, São Paulo, Brazil
- Founded startup that helps talented Brazilian students find sponsors for educational opportunities in the USA through crowd funding and sponsorship
- Featured in most popular news sites, magazines, newspapers, TV programs
- Partnership with BTG Pactual and Fundação Estudar
- Raised $300,000 for scholarships in a few months

2/12–4/13 Founder/Tutor/President, Tutoring/"Education in the USA" Clubs, Colégio Bandeirantes, São Paulo, Brazil
- Recruited tutors and assisted students in studying abroad by connecting them with alumni
- Each club attracted 40+ members. New model in Brazil (Brazilian schools don't have extracurricular clubs)

Lawrence Lin Murata

Some projects

Nano-Engineered Chips for Wearable Computers: *"Open-source and low-cost chips for wearables"*
- Developed flexible chips using polyamide substrates (for flexible boards) with metal circuits (E-Beam Evaporation) in the Stanford Nanotechnology Laboratory, experimenting and researching different designs, methods and materials to study and develop flexible chips for wearable computers. In addition to optimizing results for the chips, this independent project also resulted in low-cost products for wearables.

Heap Allocator: *"An optimal C Heap Allocator from scratch"*
- Manages the heap and implements dynamic allocation functions, grabbing a large memory segment using low-level OS memory routines and parceling out this segment to service dynamic memory requests. Developed my own design for efficient memory management with optimal balance of utilization and throughput. It required individual research and very fast iteration to come up with an optimal design that was highly efficient even when compared to designs like the libc malloc package. Also implemented debugging functionalities and a crash reporter custom library (dissects ELF, uses signal handlers, manually crawls through runtime stack) for developers. (C library)

iMous.org: *"Innovating the way we interact with computers"*
- Lets people use computers just by moving their eyes. With image processing/computer vision, uses webcam to track eye's movements to move mouse and keyboard. Accurate, cross-platform, convenient. Helps disabled people use computers more conveniently. (Chrome extension)

My Mood: *"To make people's lives happier and healthier"*
- Uses NLP to conduct sentiment analysis and give user a score that indicates their level of happiness. Connected to Facebook, analyzes statuses to build analytics of user's feelings throughout year, with relevant data and statistics that help them improve their lifestyle and mental health. (Facebook App)

Orange E-commerce: *"Pioneering a new way to shop online"*
- Finds cheapest prices and displays in interactive, visual format to make it much easier to compare and decide on final purchase with lists to save searches. (Web Application)

Encoding Robot: *"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, generating a unique ID for each file and learning about the encoding process (Rote Learning feature) and the file from its previous experience. Next time, it checks the database and, if it recognizes the file from a previous process, it analyzes the information stored about the previous encoding/decoding processes to choose better encoding algorithms and optimize its encoding process.

Additional information

- Fluent in Spanish and English, native speaker of Portuguese, intermediate skills in Mandarin, beginning skills in Japanese
- Founder/President, Universal Artists Org: International non-profit that uses art to promote social change (7/11-3/2013)
- Team Leader/Coordinator in Research: Research with big companies and University of Sao Paulo (2/11 - 12/12)
- Business Manager, Mil Presentes, São Paulo, Brazil/ Shanghai, China: International business fairs and trips to China to import containers and analyze products (2/10–12/12)