

Louis Brion

P.O. Box 12039 Stanford, CA 94309 | lbrion@stanford.edu | (561) 713-5806

EDUCATION

Stanford University | Stanford, CA

Sept 2013 – Jun 2017

- Bachelor of Science Candidate in Computer Science, Human Computer Interaction Track
- Relevant Coursework: Programming Abstractions, Computer Organizations and Systems, Contemporary JavaScript, Mathematical Foundations of Computing, Human-Computer Interaction Design, Differential Equations
- **GPA – 3.85**

WORK EXPERIENCE

Stanford Conferences

Stanford, CA

Coordinator Assistant

Jun 2014 – Sept 2014

- Created web application to map golf cart, check in/out stations and residences using node.js and Firebase.
- Organized work orders for the accommodations of 1000+ students using Stanford's campus over the summer.

Lockheed Martin

Riviera Beach, FL

Electrical Engineering Intern

Jun 2013 – Sept 2013

- Used Wireshark to capture and record data throughput capabilities of new closed fiber optic network.
- Wrote automated scripts in MATLAB to analyze and visualize Wireshark throughput data.
- Supported US government Engineering Change Proposal (ECP) process for the RMMV vehicle.

Lockheed Martin

Riviera Beach, FL

Electrical Engineering Intern

Jun 2012 – Sept 2012

- Used MATLAB to analyze positional errors in an acoustic USBL sub-sea positioning system.
- Carried out trade study comparing next generation power sources for sub-sea vehicles.
- Created an Excel database of all lower level parts of the Marlin vehicle assemblies.

SKILLS

- **Programming Proficiency:** *Advanced:* C, C++, Java, JavaScript (node.js and client sided JS) | *Intermediate:* CSS, HTML / Jade, MATLAB, Python
- **Computer Software:** UNIX shell, Wireshark, Microsoft Word, PowerPoint, Excel, Outlook, Visual Studio
- **Languages:** Proficient reading, writing, and speaking in Spanish
- **Volunteering:** Mu Alpha Theta pre-calculus and calculus coach (200 hours), local environmental organization leadership (200 hours), public library (100 hours), soup kitchen staff (75 hours)

AWARDS

- AIME qualifier, Project Euler 78 problems completed, Sunshine State Scholar, 5k go player

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- 2014 – Present: Co-Founder of Streamdine, a restaurant industry workflow streamlining startup
 - Front-end engineering, back-end engineering, design, market research, and team management
- 2014 – Present: Stanford Equestrian Team Financial Manager
 - Set annual budget, applied for funding, process barn and competition payments
- 2014 – Present: Stanford Kayumunggi Filipino Cultural Dance Co-Chair
 - Choreograph dances, recruitment, oversee practices and coordinate logistics for performances
- 2014 – Present: Namecheap Campus Outreach and Hackathon Representative
 - Represent Namecheap at hackathons, organize events and marketing
- 2013 – Present: Stanford Freshman Class Council Communications Officer
 - Planned events for 1000+ people, compiled weekly announcements and monthly newsletter
- 2009 – Present: Personal Tutor (750 hours)
 - Programming competitions, college level calculus and linear algebra, AP courses, academic games