franco.sasieta@gmail.com www.francosasieta.com
(954) 549-5323 **Franco Sasieta** github.com/fsasieta

Education

Bowdoin College. Brunswick, ME **Bachelor of Arts, May 2016**
Majors: Mathematics/Computer Science (Double Major) **Mathematics GPA – 3.27**
Computer Science GPA – 3.30

Relevant Coursework*:* Distributed Systems, Operating Systems, Programming Languages, GIS Data Structures and Algorithms, Cognitive Architectures, Computer Networks, Optimal Control, Advanced Analysis, Introduction to Analysis, Differential Equations.

Languages: Fluent in Spanish and English. Intermediate French and Basic Japanese.

Skills

- Experience in C/C++ , Java, Python in a Unix environment. Objective-C (prior experience).
- Git, SVN
- HTML, CSS, Javascript
- Graph and Sorting algorithms
- OS Concepts: locks, mutexes, semaphores
- Databases: SQL (fair), Sqlite
- Socket programming - TCP/IP. Client-server architectures
- Exposure to OpenGL / Terrain visualizations
- Multithreading
- Dynamic programming
- Exposure to MapReduce using Hadoop
- Ability to create GUIs using Java Swing API

Experience

Northern Bites (Bowdoin Robotics Team) **Fall 2013-Fall 2015**
Active Member, World Class Robotics Team
We use NAO robots to compete in the RoboCup Standard Platform League, where they play soccer autonomously

- Researched ways to improve the locomotion of the robots in a soccer environment.
- Wrote a Java and C++ based software tool to modify the behavior of the robots in real time.
- Improved near goalpost behavior and created a penalty kick behavior using Python. (contributions)

Center for Learning and Teaching, Bowdoin College **Fall 2013-Spring 2016**
Quantitative skills tutor, TA

- Worked as a Bowdoin Science Experience Mentor, fostering the interest for science on incoming students and providing mentorship during their first semester in college.
- Improved outcomes of struggling students in introductory Calculus and Computer Science.

Park City Mathematics Institute ~ Institute of Advanced Study **Summer 2014**
Undergraduate Summer School Student

- Attended advanced modeling mathematics classes and research seminars
- One of 30 students selected for the challenging program

Leadership Activities

Overland Summers **Summer 2016**
Trip Leader

- Lead elementary and middle school students through multi-day outdoor trips in western MA and North Carolina.
- Managed budget, planned meals and ensured students' safety throughout the entire duration of the trip.

Bowdoin Outing Club **Jan 2015- May 2016**
Trip Leader and Active Member

- Lead and participate in trips in the Maine's outdoor space.
- Led an overnight biking and trail running trip to Acadia National Park, as well as local hiking trips.
- Participated in rafting, canoeing, cross-country skiing, snowshoeing and hiking trips.

Projects and Awards

CBB Hacks

- Obtained "Best Hardware Hack" award. Developed prototype of interactive website using the Myo armband. Focused on interaction of armband with the website. Made in Lua.

Car with Emotions

- Prototype car built based on the Arduino Uno that interacted with it's environment using C++.