GASTÓN P MONTEMAYOR OLAIZOLA

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EDUCATION

UNIVERSITY OF PENNSYLVANIA   EXPECTED MAY 2016
Networked and Social Systems Engineering
Multidisciplinary program that connects the research of networks with the study of human behavior.

INSTITUT LE ROSEY   SEPTEMBER 2009 — JUNE 2012
Trilingual 'International Baccalaureate' in Rolle, Switzerland

TECHNOLOGY SKILLS

- *Programming Languages:* Java, JavaScript, Python, C# (Unity), OCaml, MATLAB.
- *Web Backend Technologies:* node.js, MongoDB, MySQL, Hadoop MapReduce, Amazon S3 & EC2, Heroku.
- *Web Frontend Technologies:* jQuery, Bootstrap, CSS, template engines, ejs, HTML.
- *Adobe Creative Suite:* Premiere Pro, Photoshop, After Effects, InDesign, Illustrator.

EXPERIENCE

CREATIVE - TECHNOLOGY INTERN   JUNE 2015 — AUGUST 2015
Bernstein-Rein Advertising
- Built cross-platform VR game for Google Cardboard V2, with a focus on minimizing costs and difficulty of use.
- Improved performance of Government website by 70%, reducing page load size and optimizing its web scripts.
- Designed responsive website for the agency, which displayed recent tweets laid out using a bin-packing algorithm.

'S.L.E.R.P.' VIRTUAL REALITY EXPERIENCE   JANUARY 2015 — MARCH 2015
SIG Center for Computer Graphics
- Created an immersive experience for the Oculus Rift DK 2, using cutting edge Sixense motion tracking system and the Unity game engine. Developed new storytelling techniques with the help of industry experts and focus groups.

'AWAKE' APP   FALL 2014
PennApps 48-Hour Hackathon
- Programmed innovative group alarm system for iOS that increases accountability amongst teammates and friends.
- Responsible for Backend development of the app using the Flask microframework built for Python.

TECH MANAGER INTERN   SUMMER 2013 & SUMMER 2014
Psicotécnico Guipúzcoa, Driving Psychometric Test Centers
- Implemented Cloud-based software for management of personnel records:
  - Created secure online backup mechanism to protect against potential loss of information.
  - Improved accessibility of records through efficient database access design which reduced request time by 50%.
- Optimized employee scheduling by avoiding off-peak hours, which cut labor costs by 10%.

'DISCOVER' WEBSITE   SPRING 2014
Social Networking Service
- Hosted on an Amazon EC2 instance to ensure high scalability of service.
- Conceptualized 'Friendship Visualizer' tool, a network representation of a user's friendships in the social network.

COMMUNITY SERVICE

IT DIRECTOR   APRIL 2014 — NOW
Ivy League Club of Spain
- Organization of 150 global members to promote undergraduate education in American universities.
- Overhauled website to improve security and increase online interactivity between members.

HUMANITARIAN GHANA PROJECT   JANUARY 2012 - JUNE 2012
Mankessin Village
- Managed pop-up store and raised $20,000 through innovative sales tactics and inventory management.
- Established micro-banking system in village with adequate security controls to foster entrepreneurship in the area.
- Implemented innovative agricultural technique to maximize production and minimize water usage in rice crops.

INTERESTS AND LANGUAGES

- Filmmaking (e.g., Cinematography), Augmented Reality, Guitar and Outdoor Sports (mountain biking, climbing).
- *Fluent:* English, Spanish, French and Basque. *Conversational:* Russian.