

KEVIN GRAMAGE

Searching for a position in Biomechanics

At the moment: MSc. Thesis at Institut de Myologie: "The use of lower limb exoskeleton in patients with myopathies"



EDUCATION

SEP '20
(Exp.)

Master of Sport & Exercise Sciences

Technical University of Munich

📍 Munich, Germany

Focus in Biomechanics & Exercise biology. - Thesis: "The use of lower limb exoskeleton in patients with myopathies"

2017

Bachelor of Sport Sciences

Universidad Politécnica de Madrid

📍 Madrid, Spain

Focus in Sports Training - Thesis: "[Perfil Antropométrico Y Fisiológico Del Jugador De Fútbol Americano](#)" Excellent with distinction grade



RESEARCH EXPERIENCE

2019
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Currently

Internship -> MSc. Thesis

Institut de Myologie, Pitié-Salpêtrière Hospital

📍 Paris, France

- Evaluate the safety, usability, and acute efficiency of a powered knee-hip dermoskeleton in patients with neuromuscular disorders.
- Elaborate recommendations regarding usability criteria for safe and efficient use the device in patients with neuromuscular disorders (e.g. type and severity of patient's functional deficits).
- Generate necessary data to foresee a future study involving a home use of the device and assessment of long-term benefits.

2018
|
2019

Student Assistant

Actibelt®, Trium Analysis Online GmbH

📍 Munich, Germany

- Gait analysis of patients with reduced mobility participating in clinical trials and produce clinical research studies.
- Video & accelerometer data processing using R statistical software.
- Synchronize actibelt® and video data using in-house annotation software.
- Assist on data collection during the trials performed with the actibelt®.



RELEVANT COURSE PROJECTS

Eccentric Maximum Voluntary Contractions

Muscle function and human movement | Individual project

- Intra-session and Inter-day comparison of EMVC
- Use of Isomed® dynamometer, Myon320 mobile® EMG & prophysics proEMG®
- [Poster DOI: 10.13140/RG.2.2.11515.46887](#)



CONTACT INFO

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in [linkedin.com/in/kevingm](https://www.linkedin.com/in/kevingm)

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SKILLS

Languages

Native / Fluent:

- Spanish, Catalan
- English (TOEFL 105)

Towards fluency:

- German, French

Data Analysis & Programming

📊 R | RStudio






🔗 GitHub [Check this CV's code!](#)

This resume was made with the R package [pagedown](#).

- **Personalised approach to exercise, diet & medical treatment**
Exercise biology specialization | Group project
 - Pre-post analysis and comparison of an 8-week exercise intervention.
 - Personalized approach to exercise, diet and medical treatment.
 - *Gene expr., Body composition, Lactate, Wingate, VO2max, Ergometer*
- **Biomechanical methods and application**
Group projects
 - "Anthropometric analysis & somatotype classification of a subject"
 - "2D kinematic analysis of lower extremity joints during the run"
 - "Effects of Post-Activation Potentiation (PAP) & fatigue on CMJ"
 - "Neuromechanical adaptation induced by elastic surface jumping"



SPORT EXPERIENCE

- 2017 ● **City Hall Sports Intern**
Sports Department  Alfaz del Pi, Alicante, Spain
 - Coordinate, organize and supervise sport events.
 - Assist international teams during their training camps, schedule & prepare the facilities.
- 2014 | 2016 ● **S&C Intern -> Coordinator of Youth Teams**
Barbera Rookies  Barcelona area, Spain
 - Off. Coordinator and Strength & Conditioning coach of 1st Team. Conduct training sessions, practice design, game day play-caller
 - Head Coach of U17 Team. Fundamentals training, game day planing, meeting with parents, players recruiting
 - Responsible for coordination of 3 Sections, 6 Teams, 13 Coaches y +60 Players.
- 2013 | 2015 ● **Student Athlete**
Pumas UNAM  Mexico City, Mexico
 - Played as RB & WR at the 1st Div. & won 2 Natl. Championships.
- 2011 | 2014 ● **Physical Education Teacher**
Alventus - Plácido Domingo Primary School  Madrid, Spain
 - Extracurricular educator for several sport activities (Football, Basketball, etc). Groups of 15 kids between 4-7 years old.
 - Annual programming, parent feedback, motor skills evaluation, open-doors events organization
- 2012 ● **Assistant Manager - Triathlon Event**
Ecotrimad  Madrid area, España
 - Was part of the organization team during the previous days of the event and assisted the track section coordination on the event day.
 - Track assembly, volunteers coordination, athletes support (+600 participants)

Human Movement Tools

Motion capture

- Vicon
- Contemplas

IMUs

- APDM | Opal
- Actibelt

Dynamometers

- IsoMed
- Biodex

Force Plates

- AMTI - Kistler

Signal analysis

- LabChart
- proEMG

REFERENCES

Florian Paternoster, PhD

Assist. Researcher at Biomechanics Department, TUM, Munich, Germany
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Damien Bachasson, PhD, PT

Research Scientist at Neuromusc. Physiology Lab, Institut de Myologie, Paris, France
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Prof. Martin Daumer, PhD

Ceo at Trium Analysis Online ✉ daumer@slcmr.org
Hon. Professor at Faculty of Electrical & Computer Eng., TUM

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