KEVIN GRAMAGE

🎓 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 | 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 & proEMG®
- Poster DOI: 10.13140/RG.2.2.11515.46887

CONTACT INFO

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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**.*

Personalized 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 in several sport activities (Football, Basketball, etc) for 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
Assistant Researcher at
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Damien Bachasson, PhD, PT
Research Scientist at
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Prof. Martin Daumer, PhD
Hon. Professor at TUM Faculty of
Electrical & Computer Engineering
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