Introduction

- Up to 60% of runners experience an overuse injury in any given one year period
- Achilles tendinopathy, shin splints, plantar fasciitis
- Literature shows that specfic running biomechanical metrics (described in objective) are associated with increased risk of overuse injury
- Our proposed model: small and seemingly harmless forces applied over many cycles lead to overuse injury



Objectives

Create a **noninvasive**, **portable**, and accurate device which quantifies:

- ground impact,
- supination/pronation angles,
- dorsiflexion and plantar flexion angles

in athletes to develop musculoskeletal loading profiles of the lower extremities in order to help predict overuse injuries.

Value Proposition



limit motion.

Runners

injury annually





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Our Product





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