ZOLTÁN HANESZ

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WHO AM I?

I believe that there is nothing more important than the eagerness to improve constantly. Looking into different fields of STEM to broaden my perspective and acquire new skills I was able to start seeing problems from various different standpoints. Soon I realized, that conquering the toughest challenges by myself is impossible, that is why I formed a robotics team, Team Talentum, along with my friends. In 4 years we became one of the best in Slovakia. This experience not only enhanced my scientific skills, but also gave me good teamwork and leadership abilities.

EDUCATION

- **Current Grade** - Following a BEng Computing degree at Imperial College London

- **Secondary Grammar School**

  2013 - 2017 - Graduating in: Mathematics, Computer Science, Programming, English B2 level

EXPERIENCES & PROJECTS

- **FIRST Lego League**

  Programming a Lego EV3 robot designed to solve specific tasks autonomously.

  Constructing and programming an intelligent fencing target capable of hit detection, reaction-time testing and real-time result displaying.

  Creating a smart trash can with innovative features such as litter counting and smoke detection using an Arduino microcontroller.

  Participant: FIRST World Festival 2015, St.Louis, USA; 3rd place Innovative solution award
  Coach: Open European Championship 2016, Tenerife, Spain; 1st place Mechanical design

- **RoboCup World Championship**

  A line following robot capable of detecting obstacles with a camera, avoiding them and collecting items.

  Programming a robot in a virtual environment to maximize the amount of virtual objects collected by it.

  2014: RoboCup Junior Cospace Rescue Secondary, Joao Pessoa, Brazil; 3rd place
  2016: RoboCup Junior Cospace Rescue Secondary, Leipzig, Germany; 3rd place
  2017: RoboCup Junior Cospace Rescue Secondary, Nagoya, japan; 2nd place

- **International Mathematical Modelling Challenge 2016**

  Developing a mathematical model to determine the year when the next marathon world record will be broken.   Meritorious award

- **Land Rover 4x4 in Schools World Finals 2016**

  Buil++++ding a 4x4 remote-controlled vehicle capable of tackling various obstacles with a built-in light and tilt sensor.   10th place internationally

- **Other competitions and volunteering**

  Mathematical Olympiad 2015; 2017- 3rd place in the region; reached national round
  Mathematical B-Day 2016; 2017- 3rd place nationwide; 2nd place nationwide
  Mini Science Picnic - awarded for the best display at the science exhibition
  Symposium on Emergent Trends in AI and Robotics - volunteer
  ICHack18 - finalist in best web app category

TRANSFERABLE SKILLS

Programming languages: Python, Java, Pascal, ArduinoCC
Web development languages: HTML, CSS, JavaScript
Time management and Organisation: often working on multiple projects at the same time
Team Work and Leadership: used to working in groups frequently the leadership role

LANGUAGES

- Hungarian - native level
- Slovak - native level
- English - very good knowledge; confirmed by high IELTS score
- French - intermediate level

INTERESTS

- Playing the piano - 10 years
- Photography
- Fencing - 5 years;
  Member of the Imperial College Fencing Team
- Ultimate frisbee - 4 years;
  Member of the Slovak U20 National Team; Member of the Imperial College First Team

CERTIFICATES

- JA Student Company management training
- IELTS language certificate - 8.0 Overall band

Team Talentum website