AHMED MADBOULY

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🌐 **ahmedmadbouly.me**

⭘ **github.com/AhmedMadbouly**

Education

- **Computer Science**   2014 – 2018
                                                                                 Thebes Academy

Programming Contests Activity

- 1st Place CS50x coding contest 2017
- 4th on Egypt, 95th worldwide among 3350 teams – IEEEXtreme Competition
- 2nd Place ACM QECPC 2017 – Qualified to ECPC 2017
- ACM ECPC 2017 – Qualified to ACPC 2017
- ACM ACPC 2017 – 3 problems Solved
- 1st Place ACM Thebes AcademyCPC 2018 – Qualified to ECPC 2018

Internship

- MAL [mobile application Launchpad] – Google   6 Weeks
- InnovEgypt Program – TIEC   1 Week
- Mini Maker Diploma – U.S Embassy, Cairo   2 Month
- Advanced Maker Diploma – U.S Embassy, Cairo   2 Month
- NTL – Machine Learning Track   6 Month
- Information System Intern – Ministry of Communications and Information
  Technology (MCIT)   2 Month
- Web Developer – WideBot   2 Weeks
- NTL Administrative Coordinator – ITIDA   1 Week
- iCamp – ASU Innovation Hub (iHub)   3 Month
- Zero Energy Home (ZEH) – ASU Innovation Hub (iHub)   3 Month
- Interdisciplinary Graduation Project (iGP) – (iHub)   1 Year

Competitions & Achievements

- 1st Place InnovEgypt Winter 2017
- 5th Place Mecato Line Follower Robot challenge 2017
- 7th Place Robocon Azhar 2017
- 1st Place iCamp Sumer 2017
- 2nd Place ZEH Competition Summer 2017
- KuaiKai Self-driving Racing Challenge – China 2018

Extracurricular activities

- MSP Egypt (Microsoft Tech Club) – Technical
- Pixel (Faculty of engineering Helwan university) – Maker   2016–2017
- InnovEgypt Graduation ceremony 2017 – organizer   2017
- FLL (FIRST LEGO League) – Judge Assistant   2017
- IEEE Cairo Student Branch – Computer Moderator   2017–2018
- TIEC Ambassadors (Innovation Student Ambassador)   2017–2018
- IEEEXtreme Student Ambassador – IEEE   2017–2018
- Student Ambassadors – Intel   2017–2018
- Firefox Student Ambassador   2017–2018
- IBM Student Ambassador   2018

Projects and Experience

- **Advanced Driver Assistance Systems (ADAS)**   Graduation project

  Supervisors:
  - Prof. Sharif Hammad   sherif.hammad@eng.asu.edu.eg
  - Prof. Hossam Hassan   hossameldin.hassan@eng.asu.edu.eg

  Modules:
  - Lane Detection
  - Tracking and Depth Estimation
  - Path Planning
  - Object Detection,
  - Behavioral Cloning
  - localization

- **Arabic Speech recognition model using Kaldi**
- **Arabic Text to Speech model:** HMM-based Speech Synthesis System **using Merlin**
- **Simple Web Search Engine (Python)**
- **Face Detection using Yolo on nvidia jetson TX2**
- **Chat Bots and Bot Builders**
- **Flappy Bird 2d Game (unity)**
- **RC Car Line Follower using Image Processing (Rassperry Pi)**
- **Home Automation (Arduino)**
- **Maze solver Robot (Arduino)**
- **RC Car (Arduino)**
- **USB Flash Drives Controller Windows tools (c# & visual studio)**
- **C++ apps (University management system, Sudoku solver)**

Others

- **Programming Languages**: Mainly C++, Python, and Java.   Little: JavaScript, R
- **Interests**: Problem Solving, Artificial Intelligence, Open Source
- **Date of Birth:** 29 August, 1996
- **Language skills:** – Arabic: Mother Tongue   – English: Very Good
- **Personal Skills:** Teamwork, Interpersonal, Sociable and self-motivated
- **Much fun**: Gym, Football, Helping Students
- **Military service Status :** Exemption