

# Kieran Horgan

[kieranhorgan.ie](http://kieranhorgan.ie) | [kieran@kieranhorgan.ie](mailto:kieran@kieranhorgan.ie) | [github.com/KieranHorgan](https://github.com/KieranHorgan) | [linkedin.com/in/kieranjhorgan](https://linkedin.com/in/kieranjhorgan)

## CODING COMPETITIONS - *Solving algorithmic problems with C++*

**International Olympiad in Informatics (IOI)** | [stats.ioinformatics.org/people/5926](https://stats.ioinformatics.org/people/5926)

- Bronze medal x2 (2018, 2019) - First Irish medal winner since 2014.
- Team Ireland x4 (2016-2019) - Chosen as one of a team of 4 based on All-Ireland olympiad results.

**All-Ireland Programming Olympiad (AIPO)** | [aipo.ucc.ie](http://aipo.ucc.ie)

- 1st place x2 (2018, 2019) - Won the national finals with scores of 795/800, 600/600 respectively.
- 2nd place (2017), 8th place (2016) - Qualified for IOI selection camp from 2016 to 2019.

**UK and Ireland Programming Contest (UKIEPC)** | [ukiepc.info](http://ukiepc.info)

- 1st in Ireland, 14th overall (2019) - As part of a team of 3 first years we solved 9/13 problems.
- 2nd in Ireland, 25th overall (2018) - 2nd in Ireland, 28th overall (2017) - I competed three times as part of a secondary school team, twice coming 2nd in Ireland.

**Irish Competitive Programming Competition (IrlCPC)** | [acm.ucc.ie](http://acm.ucc.ie)

- 1st (2018) - As part of a secondary school team, we scored a perfect score in under 2 hours.
- 2nd (2017) - Came 2nd place as part of a secondary school team.

**Google Code Jam** | [codingcompetitions.withgoogle.com/codejam](https://codingcompetitions.withgoogle.com/codejam)

- 466th place in Round 3 of Code Jam 2018

**Codeforces** | [codeforces.com/profile/KieranHorgan](https://codeforces.com/profile/KieranHorgan)

- Master rank on codeforces (2190 Rating) - 125+ contests competed in - 700+ problems solved

## PROJECTS

**CoderDojo Mallow** | [kieran.netsoc.co/coderdojomallow](http://kieran.netsoc.co/coderdojomallow)

- I won Best Individual Project, Best Web Design, Creative Web Coding and Overall Grand Prix Prize in the Giga category of the 2015 Eircom Junior Spider Awards.

**Pin Code Statistics** | [kieran.netsoc.co/pincodestatistics](http://kieran.netsoc.co/pincodestatistics)

- I created a web tool for the UCC Open Day to promote their new Psychology and Computing course.
- 200+ interactions with the app on during the Open Day.

## EXPERIENCE

**Munster Programming Training (MPT)** | *November 2019 to Present*

- I teach advanced algorithms and data structures in MPT cycle 3 to a class of ten 5th and 6th years.

**All-Ireland Programming Olympiad (AIPO)** | *October 2019 to Present*

- I am the head problem setter for the AIPO preliminary rounds and national finals.

**Summer Intern - University College Cork** | *July to August 2019*

- I worked in C++ to optimise a 5G network simulator, where I refactored the process scheduler to achieve a 1.3x speed-up.
- I worked on implementing voice assistant functionality to an app with AWS Lambdas and Python.

**Volunteer Mentor - CoderDojo Mallow** | *January 2014 to June 2018*

- I taught Python to class of twenty, where we made a platform game using PyGame.
- I also taught JavaScript fundamentals to the advanced class, introducing basic programming logic.

## EDUCATION

**Computer Science - University College Cork** | *September 2019 to Present*

**Secondary School - Davis College Mallow** | *August 2012 to June 2019*

- I achieved 555 points in my Leaving Certificate exams.
- I was awarded President's Award for Outstanding Leaving Certificate performance.