

Curriculum Vitae

Personal Details:

Name: Cormac Ahern

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Educational Details:

Year:

2000 to 2008

2008 to 2014

2014 to present

2016-2017

School:

Dunboyne National School, Dunboyne, Co. Meath

St. Peters College, Dunboyne, Co. Meath

Maynooth University, studying Computational Thinking

Fordham University, exchange student

Leaving Certificate Results 2014

Subject:	Level:	Grade:
Maths	Higher	A1
English	Higher	A1
Irish	Higher	C2
Physics	Higher	B2
History	Higher	B3
Applied Maths	Higher	B1
Spanish	Ordinary	A1
Music	Higher	B3

Total points (top six for CAO): 540 (top 4% of the country).

1st Year Results Computational Thinking

Subject Semester 1:	Grade:	Subject Semester 2:	Grade:
Data Structures and algorithms 1	63	Data Structures and algorithms 2	72
Intro to Computational Thinking	55	Operating Systems	44
Pure Maths: Analysis 1	50	Pure Maths: Integration	61
Pure Maths: Finite Maths	88	Pure Maths: Multivariable Calculus	55
Pure Maths: Euclidean Geometry	71	Pure Maths: Linear Algebra	33
Intro to Philosophy	63	Philosophy of Logic	66

2nd Year Results Computational Thinking

Subject Semester 1:	Grade:	Subject Semester 2:	Grade:
Languages and Compilers	45	Computational Epistemology	66
Theory of Computation	60	Computation & Complexity	65
Software Verification	60	Numerical Computation	64
Pure Maths: Metric Spaces	61	Pure Maths: Complex Analysis 1	60
Pure Maths: Real Analysis 1	55	Pure Maths: Group Theory 1	61
Philosophy of Epistemology	60	Philosophy of Natural Science	67

Work Experience:

Dates:	Employer:	Duties:
Saturdays 2-4p.m, September to May 2011/12	St. Vincent de Paul Charity Shop, Dunboyne	Stock taking, manual labour, etc.
October 2011	An Post IT unit	General computer work
March 2012	Dunboyne Primary School	Teacher's assistant
November 17 th 2013	St. Bridget's GAA club	Bar staff for charity boxing event
September 2014 - present	Dunboyne Castle Hotel	Conference & Banqueting waiter
November 2014 – present	Grinds teacher	I give HL and OL maths and English LC and JC grinds.
June – August 2015	Admin work in An Post.	I was part of the administration behind An Post's nationwide Windows 7 rollout and upgrade.
May – August 2016	Build Engineer in An Post	I was an assistant build engineer in An Post, helping to configure software on devices due to be rolled out in post offices nationwide.

Relevant experience to programming:

- Computer Programming is a huge part of my college course (Computational Thinking). From the get-go, I was thrown into second year computer science in my first year of college after a three-day intense course in Java. As such, I was forced to learn programming under pressure.
- I have proficient experience in Java, Python and C++. I was taught Java in university and taught myself Python through doing problems on Project Euler on Hackerrank. For C++, I have just taken a Computational Physics module at Fordham University in which I learnt this language for general problem solving and data analysis.

- I have just taken a course in “Digital Design for New Media”, so I also have experience working with Photoshop, Flash, Final Cut Pro, Html and CSS. On top of this, I have given presentations written in LaTeX, which I am also proficient in.
- I achieved a 2.1 grade in “Data Structures and Algorithms 1” and a 1.1 in “Data Structures and Algorithms 2”, which are both second year modules that I undertook in first year.
- I participated in the IEEE Xtreme 2015 24-hour programming competition, placing 11th in Ireland and 555th in the world out of roughly 2000 teams. I also participated in the AIB Datathon 2015, placing 6th out of roughly 50 teams from across Ireland. Besides this, I have participated in many other local programming competitions, working as part of a team to solve algorithmic problems.
- I volunteer at the Programming Support Centre in Maynooth University for two hours a week, helping students who have difficulty with programming. On top of this, I privately tutored a student for their repeat exams and brought them from a fail grade to a 2:1 in just a few sessions.

Hobbies:

- I play rugby for Fordham University Rugby Football Club, playing as a “utility back” at winger, full back, or center. We train twice a week during term time and have matches almost every weekend.
- I also play soccer recreationally, having played for 8 years up until I was 17 I now play 5 a-side with some friends most weeks. I also run, swim and lift weights outside of rugby training; I hate the feeling of being lazy and I find that it is a good way to relax and relieve stress.

Achievements:

- Monitor – *I was chosen as a Monitor in my secondary school. This role involves me looking after first years and helping them settle into the school.*
- Caomhnóir – *I was also chosen to be a Caomhnóir in my secondary school. This is the highest leadership role a student can obtain in my school, and is the equivalent of Prefect.*
- Qualified Level 2 Kayaker
- Garda vetted member of Dunboyne Scout Group.
- Qualified Kickstart 1 GAA Coach
- Variety of medals from GAA from ages 14 – 16.
- U13C DDSL League Winner (Soccer).
- Qualified F.E.T.A.C 4 Soccer Coach
- An Gaisce Bronze Award (The President’s Award).
- Maynooth University Entrance Scholarship for Leaving Cert results.
- Recipient of the Darré Exhibition prize for Mathematics from Maynooth University.

Referees:

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