

Peter Gorman

Dual UK / US Citizen

Cambridge, United Kingdom

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EDUCATION

University of Bristol – Bristol, UK

Sep 2014 – July 2018

- MEng degree in Electrical & Electronic Engineering.
- First Class Honours: 75%.

PROFESSIONAL EXPERIENCE

Arm – Project Manager – Cambridge, UK

September 2018 – Present

- Responsible for the planning, execution and delivery of the ARM Compiler (a team composed of 35+ engineers).
- Internal and external stakeholder engagement across ARM's working groups and with external contractors.

Mott MacDonald – Intelligent Transport Systems – Bristol, UK

June 2017 – August 2017

- Initial eight-week placement that was extended to ten weeks upon review of my performance.
- Successfully contributed to the completion of several on-going client projects including:
 1. Identification of Off Network Access points for a Smart Motorways Project. Organised and lead client meetings that successfully identified over 60 Access points across 15 miles of Motorway (WSP Global).
 2. Creation of an Exit Strategy detailing project succession. Communicated with employees from Birmingham and Glasgow offices to present findings to Bristol transportation team (Highways England).
 3. Creation of a visual dashboard to show a live overview of project operations that was incorporated into a client report (Department of Transportation).
- Delivered a presentation about the projects that I had been working on to the entire Bristol Office (about 80 attendees).

University of Bristol – Research Internship – Bristol, UK

June 2016 – August 2016

- Ten-week paid placement developing a Beamformer Parametric Speaker.
- The project involved an FPGA programmed in VHDL for directivity, PCB design and the creation of an Instructables.com step-by-step guide to make a prototype speaker.
- Co-authored a paper that was published at the CHI 2017 conference entitled "Project Telepathy: Targeted Verbal Communication using 3D Beamforming Speakers and Facial Electromyography".

NEX Group (formerly ICAP) – Industry Insight – London, UK

June 2016

- One-week programme to learn about ICAP's business of global broking, electronic markets and post-trade risk management.
- Involved professional skills training, financial and technical training, work shadowing, networking and a group project.

EMPLOYMENT

Acrona Engineering Ltd – Oxford, UK

July 2015 – September 2015

Precision machining company supplying components to industries e.g. medical, aerospace.

Machinist

- Self-taught offline Programming using Edgecam to plot toolpaths.
- Operated lathe, bandsaw, CNC machines, drill press. Inspected final components using CMM.
- Production of components that totaled over £3,000 a month.

Workshop Assistant

October 2013 – September 2014

- Operated a CNC machine and lathe. Inspected final components using CMM.

PROJECTS

Personal Projects (See: <https://phgorman.com/>)

July 2015 – Present

This blog is designed to showcase the projects/articles that I get involved in.

3 Day StartUp – Exeter, UK

October 2017

72-hour learning-by-doing campus workshop that teaches entrepreneurial and product management skills to university students.

- As a team of eight, we created the business plan for a technology StartUp called 'TakeNote'. The business was centred around an app that could transcribe and summarise meetings to improve the productivity of employees.
- The weekend included: idea development, customer discovering and validation, market size and strategy, competitive landscaping, revenue model generation and a pitch to a panel of investors.

Electronics Projects

- **ARM Hackathon** – A 24-hour hackathon in which my team of five designed and created a glove that could interpret sign language gestures and translate these into an audio output. Received the 'Highly Commended Award'.
- **Visual Weather Forecast** – Designed and built a device that could forecast the weather using serial communication with the inbuilt UART TTL of the Arduino and the 'Processing' and 'Arduino' IDEs. Device comprised flashing LEDs based on the upcoming weather.

TECHNICAL SKILLS

Familiar with the following programs:

- C – Beamformer Parametric Speaker, creation of a spellchecker, anagram solver and code-word matcher.
- MATLAB – Simulation of several satellite orbits using vector calculus and trigonometry.
- Python – Creation of a Scrabble game that can be played against other people or against a computer AI.
- Java – Creation of an AI for Tic-Tac-Toe and several sophisticated AI's in the Prisoner's Dilemma game.
- Arduino – Various homemade electronics and programming projects.
- Project Management Tools: MS Office Suite, JIRA, Confluence

VOLUNTEER WORK

- UCAS Day Organiser – Providing tours of the engineering buildings at the University of Bristol to prospective students.
- Bristol University Ambassador – Assisting new students during their arrival to halls.
- Parkrun – A community driven 5k run, held weekly at parks across the UK. I have assisted with the scanning of barcodes and helped to marshal runners around the course.

REFERENCES

- Available on request.