

Vinay Maniam

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EDUCATION

Imperial College London

MEng Electrical and Electronic Engineering – First Class Predicted

Second year: First Class Hons Achieved (76%)

Best Modules: Signals and Linear Systems (96%), Power Engineering (86%), Communications Systems(84%)

London, UK

Expected 2018

Hillview College

Caribbean Advanced Proficiency Examinations

- **Unit 1:** Mathematics (1[AAA]), Physics(1[AAA]), Chemistry(1[AAA]), Communication Studies(1[AAA])

- 2nd in the Caribbean in Chemistry

- **Unit 2:** Mathematics(1[AAA]), Physics(1[AAA]), Chemistry(1[AAA]), Caribbean Studies(1[AAA])

- 2nd in the Caribbean in Mathematics, 9th in Chemistry, 9th in Physics

Trinidad and Tobago

Graduated 2014

National Team (Trinidad and Tobago) for International Mathematics Olympiad (2013, 2014)

WORK EXPERIENCE

Imperial College London

Undergraduate Teaching Assistant

London, United Kingdom

Feb 2016 – Dec 2016

- Teach Circuit Analysis, Computer Architecture and Mathematics to a group of first and second year engineering students on behalf of the university.
 - Majority of students' exam grades and performances in problem sheets have improved by one grade boundary under my tutelage.
 - Test and Debug Computing Lab experiments before they are given to the students.
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POSITIONS OF RESPONSIBILITY

Imperial College Game Development Society

Treasurer, Co-Founder

London, United Kingdom

Oct 2015 – Present

- Work on video game development projects programmed in Unity.
- Interface between large groups of coders and smaller groups of animators and musicians.
- Together with a team, successfully designed a 2D action adventure video game in C#.

Taekajudo Martial Arts Academy International

Senior Instructor

Port of Spain, Trinidad and Tobago

June 2011 – March 2013

- Lead the teaching of classes of up to 20 students of all age groups in Shotokan, Taekwondo and Judo.
- Diligently managed time between teaching and personal training (roughly 18 hours per week) and maintaining academic success.

Hillview College Mathematics Club

Founder, President

Port of Spain, Trinidad and Tobago

Sept 2013 – June 2014

- Effectively communicated and broke down highly complicated mathematical concepts to students of varying academic proficiencies in preparation for various Mathematics Olympiads.
 - School's success in these competitions saw tremendous improvement in my tenure, capturing 4 out of the 10 available positions for national Olympiad team trials
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SKILLS, INTERESTS & ACHIEVEMENTS

Languages: English (Native), Spanish (Basic)

IT skills: C++, C#, C, MATLAB, Verilog, ARM Assembly, Python, PSPICE, LabVIEW

Achievements: 1st degree Black Belt in Karate and Taekwondo, placed 1st in Universal Open Martial Arts Championships (Black Belt Division, South Carolina 2012), Imperial College Kabaddi Club