Vignesh Gopal

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14 Paddock Drive, Plainsboro, NJ 08536

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN

Expected Graduation Date: December 2018

BS in Electrical Engineering
Minor in Physics
College of Engineering
James Scholar Program
Cum. GPA: 3.91 / 4.0
Major GPA: 4.0 / 4.0

WEST WINDSOR-PLAINSBORO HIGH SCHOOL SOUTH

Grad. June 2015 | Plainsboro, NJ

LINKS

LinkedIn:// vigneshgopal
Personal Website:// vigneshgopal.me
Quora:// Vignesh-Gopal-5

COURSEWORK

CURRENT

Analog Systems and Signal Processing
Intro to Quantum Field Theory
Thermodynamics
Differential Equations Plus
Computation Theory
The World of Nanotechnology

PAST:

Introduction to Electronic Devices
Calculus III
Physics: Electricity and Magnetism
General Chemistry

SKILLS

PROGRAMMING

Proficient :
Javascript
Python
LaTeX

Familiar:
C
Java
HTML

EXPERIENCE

OTCR CONSULTING | Part time technical consultant

September 2015 – Present | Urbana, Illinois

- Chosen as one of 10 Freshman from a competitive pool of over 600 applicants
- Improved back-end system for a start-up that used real time location services to manage inventory

IEEE | Technical Advancement Group Member

September – Present | Urbana, IL

- Created a VR helmet modeled off of the Oculus Rift from scratch with 12 other team members
- Developed an application for helmet that would scan building blueprints and allow user to walk through virtual building

MODEL UNITED NATIONS | Secretary-General of high School team

August 2014 – June 2015 | Princeton Junction, NJ

- Responsible for managing a staff of over 35 and a participant size of over 300 delegates for the fastest growing high school conference on the east coast
- Awarded several times at different national conferences
- Led team to be ranked number 3 in the nation as per bestdelegate.com

RESEARCH

INNOVATIVE COMPOUND SEMICONDUCTOR (ICOR) LABORATORY | Undergraduate Research Assistant

Jan 2016 – Present | Urbana, IL

Worked under Professor Can Bayram for research in next generation transistor devices. Responsible for taking and analyzing Hall measurements for samples of various semi-conductor materials – primarily GaN.

AWARDS

2016	University	James Scholar Honors Program
2015	University	University Achievement Scholarship
2015	National	Thomas J Watson Scholarship Recipient
2014	National	National Merit Scholarship
2014	National	AP Scholar With Distinction
2013	National	Ivy League Model UN Conference
2012	Regional	Princeton University Model UN Conference
2011	National	Washington Area United Model United Nations Conference

SOCIETIES

2016	National	Nanohub
2015	International	IEEE
2015	International	Association for Computer Machinery
2014	Regional	Yuva Sangeetha Lahiri