

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](#)
GitHub:// [vigneshgopal](#)

COURSEWORK

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

SKILLS

PROGRAMMING

Proficient :

Javascript
Python
C
HTML
NodeJS
Bootstrap
CSS

Familiar:

Unity
OpenCV
C#
Java

EXPERIENCE AND PROJECTS

OTCR CONSULTING | PART TIME CONSULTANT

September 2015 – Present | Urbana, Illinois

- Chosen as one of 10 Freshman from a competitive pool of over 600 applicants
- Worked with a wide host of clients including a start-up dealing with real time location services as well as a private school in Chicago

SPARTAHACKS | ASSISTIVE OBJECT IDENTIFICATION FOR THE VISUALLY IMPAIRED

February 2016 | Lansing, MI

- Created an object identification device that could detect where objects were in relation to the user using
- Interfaced Microsoft Kinect 2 with a Mac
- Awarded best use of Clarafai API and and for best use of Microsoft Technology

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

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	National	Best use of Spartafai API
2016	National	Honorable Mention for Best Use of Microsoft Technology
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

SOCIETIES

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