Vignesh Gopal

vvgopal2@illinois.edu | (732) 429-5387
14 Paddock Drive, Plainsboro, NJ 08536

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN
Expected Graduation Date:
May 2019

BS Double Major in Electrical Engineering And Engineering Physics
College of Engineering
James Scholar Program
Deans List
Cum. GPA: 3.92 / 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 Physics
Thermal Physics
Differential Equations Plus
Intro to Computing
The World of Nanotechnology

SKILLS

PROGRAMMING

Proficient :
Python
Javascript
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 300 applicants for top consulting group on campus dealing with clients ranging from Non-Profits to Fortune 500s
- 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

- Awarded best use of Clarafai API and and for best use of Microsoft Technology competing against 1000+ teams
- Created an object identification device that could detect where objects were in relation to the user using
- One of the first people ever to interface Microsoft Kinect 2 with a Mac

IEEE | Technical Advancement Group Member
September – Present | Urbana, IL

- Created a Virtual Reality helmet modeled off of the Oculus Rift from scratch with 12 other team members
- Chapter was funded by several major companies such as Google, Facebook, and Intel

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 creating flexible piezo-GaN samples for uses in flexible transistor and LED devices. Experience with procedures such as **MOCVD**, substrate removal through **dry and wet etching (ICP and HF)**, and taking hall measurements using the **4 point van der Pauw technique**.

AWARDS

2016	National	Best use of Spartafai API (Against 1000+ people)
2016	National	Honorable Mention for Best Use of Microsoft Technology
2016	University	James Scholar Honors Program (3.5+ GPA)
2016	University	Dean's List (Top 20% of class)
2015	University	University Achievement Scholarship
2015	National	Thomas J Watson Scholarship Recipient (One in 100 out of 2500+)
2014	National	National Merit Scholarship Commendation
2014	National	North American Model United Nations (1st out of 400+)

INTERESTS

- Rock Climbing
- Violin
- Nanotechnology