# Paul George

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## EDUCATION

**SHIV NADAR UNIVERSITY**
Junior
B.Tech in Electronics and
Communications Engineering
Dadri, India
Expected May 2018
Cum. GPA: 8.4 / 10.0
Major GPA: 8.6 / 10.0

**SOMERVILLE SCHOOL NOIDA**
Grad. April 2014 | Noida, India
AISSCE | 12th Grade | 89 / 100
Problem Solving Assessment
Percentile Field
99.2136 Language Conventions
91.8784 Qualitative Reasoning
99.7484 Quantitative Reasoning
CBSE | CCE | GPA: 8.2 / 10.0
• Member | Student Council
• Head | Quizzing Society

## LINKS

Keybase.io:// **paulgeorge**
GitHub:// **command-paul**
Facebook:// **command.paul**
Quora:// **Paul-George-5**
Reddit:// **commandpaul**

## ACADEMIC INTERESTS

Computer Architecture
Digital Signal Processing
Networks
• Hardware Accelerators
• Electrophysiology
• Data Analysis
• Machine Learning

## EXPERIENCE

**SHIV NADAR UNIVERSITY**  Research & Teaching Assistant
May / 2016 – July / 2016 |Department of Electrical Engineering|
- Worked on the RNBIP Processor(Description below)
- Teaching Assistant for the Summer offering of the Introduction to Electrical Engineering Course by Professor R.N.Biswas .

**HCL INFOSYSTEMS LTD.**  Systems Design Engineer - Intern :: Hardware Research and Development
June / 2015 – July / 2015 |Internet of things|

- Worked on multiple projects involving the development of customized IOT implementations for the automotive and health care sector .
- Worked with ARMv4 SOC's, a variety of sensors, and communication channels.

## PROJECTS

**RNBIP - R.N.BISWAS IP**  Digital Design | TEAM LEAD
Summer Project | Shiv Nadar University
- Developed an 8 Bit Pipelined Processor
- Deployed the same on an FPGA - Xilinx Artix
- Developed a Parallelised Emulator for use as a teaching aid.

**BLIP - BLUETOOTH BASED INDOOR POSITIONING**  Hackathon
IOT | Open Source | Hacker Earth INDIA Hacks
- Developed a Bluetooth based indoor positioning system to enable context based services and asset tracking in indoor spaces
- Developed and implemented a trilateration algorithm to achieve the same.
- Position Resolution at 1M .

**EARTHQUAKE EARLY WARNING SYSTEM**  SNU - EEWS
Centre for Urban studies and Disaster Management | Shiv Nadar University
- Developing a cost effective distributed sensor network
- Also Working on DSP Feature Implementations to aid classification
- Work in Progress .

**ELECTROMYOGRAPHY AND ACTIVITY TRACKING**
Electromyograph | TEAM LEAD
Course Project |Signals and Systems | Shiv Nadar University
- Developed a Bluetooth Wireless Multi-channel Electromyograph
- Data recorded was used to establish relations between the EMG and the physical position of the limb.

**GRAPH WIZ**  Spring 2015 | Semester II
Open Source | Teaching Aid | Data Structures and Algorithms
- Developed a teaching aid for the Gnu-Linux platform of man pages and libraries describing and implementing popular data structures and algorithms.
- A Graph visualization was tool developed to sketch graphs using open GL.

# COURSE WORK

## UNDERGRADUATE

Selected Courses
Digital System Des. With FPGAs
Embedded Systems Hardware
Operating Systems
Data Structures
Signals and Systems
Digital Signal Processing
Mobile & Wireless Technology
Applied Machine Learning
Brain Sciences and Cognition
Quan. Techniques In Business
Financial Frauds
Control Systems
Communication Networks
Intro. to Science of Networks
Mathematical Methods
Electromagnetic Engineering
Electromechanics
Power Electronics
Semiconductor Devices
VLSI Technology and Design

# PROGRAMMING

Over 5000 lines:
Verilog • C • C++ • Python
Over 2000 lines:
Nvidia - CUDA • BASH
•MATLAB/OCTAVE•Assembly
Comfortably Familiar:
LaTeX •

# AWARDS

| Year | | Description |
|------|------|-------------|
| 2015 | 215 (/335) | ACM ICPC Amrita Multisite Regional |
| 2016 | 7th (National) | Hackerearth - India Hacks IOT Hackathon - Finals |

# SOCIETIES

| 2014 - | Collegiate | ACM-Student Chapter Shiv Nadar University |
|--------|------------|-------------------------------------------|
| 2014 - | Collegiate | IEEE Student Chapter @ Shiv Nadar University |
| 2014 - | Collegiate | Robotics Society Shiv Nadar University |

# REFERENCES

Prof R.N.Biswas — Department of Electrical Engineering | Shiv Nadar University
ranendra.biswas@snu.edu.in
+91 9990429045

Mr.Bharnidhar Naidu — Senior Manager | R&D | HCL INFOSYSTEMS ltd.
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Prof. K Shashi Prabh — Department of Computer Science | Shiv Nadar University
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Prof. Atul Vir Singh — Department of Electrical Engineering | Shiv Nadar University
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