# Michael Jaison Gnana Sekar

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## Objective

Seeking an internship offer for summer 2016 that resonates with my field of study - Computer Vision. I intend to learn and address complex real world vision problems.

Area of interest: Scene understanding, Object recognition, Feature tracking

## Education

**MS Computer Vision**
Robotics Institute, Carnegie Mellon University, Pittsburgh, USA — Aug 2015 – Dec 2016

**Fall courses**: Computer Vision, Math Fundamentals for Robotics, Machine Learning

**Spring courses** (to be taken): Visual Learning and Recognition, Large Scale Learning using Images and Text

**MSc Software Engineering (5 year integrated)** — **GPA: 8.71 / 10**
PSG College of Technology, Coimbatore, India — June 2007 – April 2012

**Relevant courses:** Soft Computing, Computer Graphics, Data Mining, and Applied Combinatorics

## Work experience

**Software Engineer, eBay, Bangalore, India** — **June 2012 - August 2015**

- Developed an intelligent system that can predict the closure of eBay Stores that may be in danger zone using a machine-learning classification technique - SVM with an accuracy of 76%.
- Designed and developed a Retail Promotion Platform which enables a business user to create dynamic deals for 10 geographical sites, with Dynamic Translation system that supports multiple languages based on the user.
- Led a group of engineers to migrate legacy Stores hub page to Node JS platform. As a result, the page load time went down from 900 milli-seconds to 275 milli-seconds, and reduced the resource utilization by 30%.

**Intern, eBay, Chennai, India** — **December 2011 – May 2012**

- Built a utility service on X.Commerce which provided shipping label as a service to external e-commerce providers who were using Magento – an e-commerce software platform.

**Co-founder, Temple Foundations, Coimbatore, India** — **December 2010 – June 2011**

- Built an online admissions platform common for all universities. The platform made most of the process online - starting from publishing admission forms to publishing the admitted applicants.

## Skills

- Technologies: J2EE, Spring Framework, Node JS, Mongo DB, Oracle, MySQL
- Programming languages: Java, JavaScript, C, C++, HTML
- Software: MATLAB, Adobe Flash, Adobe Photoshop

## Academic projects

- **University Suggestion**: An intelligent website functionality that suggests the users with a list of universities that are similar to the searched university using a neural-network classifier.
- **Robot Path Finder**: a genetic algorithm based application which helps a robot to find an optimal path immediately to reach the destination in a given area with both static and dynamic obstacles.
- **3D-Environment**: developed a 3D environment in C using Borland Graphics Interface (BGI) Graphics which can be used to draw and manipulate objects like cube, sphere, line and Bezier curve.
- **Play Droid**: an android application which uses the mobile phone as a joystick by employing accelerometer, touch screen and Bluetooth components.

## Achievements & Roles

- Star Engineer, eBay - for the excellent performance in Q1, 2015 among 50 engineers in the Verticals team.
- 2nd prize in an innovation event, eBay - A prototype to provide home page feeds based on user's shopping list.