

Anush Mohan

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Software engineer, manager and technical leader who likes to solve challenging computational problems. Specialization in Computer Vision, Robotics and Machine Learning, currently focussed on building SLAM systems for Mixed Reality. Expertise in taking complex features through a full development life-cycle from conception, to prototyping and research and finally into development and product integration on embedded platforms.

Skills

- Computer Vision, Robotics, Machine Learning
- Strategic Planning, Goal Setting, Delegation
- Strong Verbal and Written Communication
- Scrum, Agile
- C++, C, Python
- OpenCV, ROS, ZeroMQ, Eigen, Boost, Protobuf
- git, cmake

Experience

Director, Computer Vision

Sept 2014 - Present

Magic Leap

Sunnyvale, CA

Lead a global, cross-functional team of over 40 engineers (researcher and embedded developers) to develop Head Tracking algorithms for the Magic Leap One.

- Product owner of one of the core Perception areas at Magic Leap.
- Software architect of the Magic Leap Head Tracking pipeline, that runs a highly parallelized and distributed SLAM system across multiple processors/platforms.
- Responsible for the full development cycle of Head Tracking - from requirements gathering and functional specifications to prototyping, development, evaluation and final integration into the production software stack.
- Product owner and architect of large scale mapping algorithms running on the ML Cloud.
- Manage 7 direct reports.

Previously:

Manager, Computer Vision - Feb 2016 - Oct 2017

Lead Software Engineer, Computer Vision - Sept 2015 - Feb 2016

Senior Software Engineer, Computer Vision - Sept 2014 - Sept 2015

Senior Software Engineer, Core Vision

Jun 2011 - Sep 2014

Cognex Corporation

Natick, MA

Developed efficient and robust machine vision software libraries in C and C++ to handle various perception tasks in industrial manufacturing lines.

Research Assistant

May 2010 - May 2011

Computer Vision Lab, University of Michigan

Ann Arbor, MI

Research advisor, Silvio Savarese

Conducted research on 2D and 3D object detection algorithms.

Education

University of Michigan

Sept 2009 - May 2011

Masters of Science, Electrical Engineering, GPA: 3.9/4

Ann Arbor, MI

BMS College of Engineering

Sept 2005 - May 2009

Bachelors of Engineering, Electronics and Communications, GPA: 3.75/4

Bangalore, India