

# Julian Straub

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## Education

- 08/12 – present **Massachusetts Institute of Technology (MIT)**, Cambridge, Massachusetts.  
PhD in course 6, area 2 (Artificial Intelligence). Advised by John W. Fisher III and John J. Leonard.
- 08/10 – 05/11 **Georgia Institute of Technology (GIT)**, Atlanta, Georgia.  
M.Sc. in Electrical and Computer Engineering (GPA of 4.0). Project with Frank Dellaert (visual SLAM).
- 10/07 – 08/12 **Technical University of Munich (TUM)**, Munich, Germany.  
Diplom in Electrical Engineering and Information Technology with high distinction.
- 07/94 – 07/07 **Secondary School: Wernher-von-Braun Gymnasium**, Friedberg, Germany.

## Work Experience

- 06/16 – 08/16 **Oculus Research**, *Internship*, Redmond, Washington.
- 05/15 – 08/15 **Apple**, *Internship*, Cupertino, California.
- 05/11 – 09/11 **Evolution Robotics**, *Internship*, Pasadena, California.  
Software development in the field of Computer Vision: camera calibration and monocular visual SLAM.
- 03/09 – 08/10 **Chair for Real-Time Computer Systems**, *Working student*, TUM, Germany.  
Developed the hard- and software for a multi-robot soccer lab: communication and control infrastructure.
- 10/07 – 12/08 **KUKA Robotics Corp. – development department**, *Internship*, Augsburg, Germany.  
Contributed to the electrical infrastructure of the educational robot platform KUKA youBot. Control of an omni-directional robot platform using an Atmel microprocessor programmed in C.

## Scholarships

- 04/10 – 09/11 **Fulbright Scholarship**.
- 03/10 – 09/12 **Max Weber-Program of Bavaria**.
- 08/10 – 05/11 **ATLAS Double Degree Program of the European Union**.
- 08/10 – 05/11 **Heinrich and Lotte Mühlfenzl Foundation**.
- 01/10 – 01/11 **MAN SE Scholarship**.
- 11/08 – 08/12 **Talent Support Program of the TUM**.

## Extracurricular Activities

- 12/12 – 12/13 **EECS-Graduate Student Association**, *President and VP for Social*, MIT, Cambridge.
- 10/11 – 08/12 **Mentoring for International Exchange Students (MIX)**, *Mentor*, TUM, Munich.
- 10/10 – 08/11 **World Student Fund Exchange Club**, *Officer*, GIT, Georgia.
- 08/09 – 08/10 **AdvEIsor-Program – a tutoring program for freshmen**, *Tutor*, TUM, Germany.  
Led workshops for a group of 15 students and organized 3 big events for over 100 people each in a team.
- 10/07 – 07/08 **AdvEIsor-Program**, *Participant*, TUM, Germany.  
Led a team of ten students to victory in a robot competition against four other teams.

## Other Qualifications and Interests

- Languages** Native German and fluent written and spoken English (>4 years living and studying in the USA).
- Coding** C++, C, Python, CUDA, Matlab, Bash, OpenGL.
- Software** vim, git, Cadsoft Eagle, LateX, MS-Office, Linux/Unix Systems.
- Interests** Endurance sports (Marathon 3:54:55h, backpacking, trail running), science fiction books.