



Curriculum Vitae

G.S. Drenthen

PERSONAL DETAILS

Name : Gerhard Sebastiaan (Gerald) Drenthen
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SUMMARY

Currently, I am a Master student in Electrical Engineering at Eindhoven University of Technology. During my studies, I have always tried to develop myself, not only in my education but also in terms of professional skills. Therefore, I try to participate in a lot of extracurricular activities.

EDUCATION

Sep 2011 – Present	Master of Science, Electrical Engineering
<i>Eindhoven University of Technology</i>	The main focus of my Master is on Signal Processing, with courses on Adaptive Array Signal Processing, Adaptive Information Processing, Statistical Signal Processing and Signal Processing for Communication. Since I am also interested in Systems and Control I took courses on Model Reduction, Model Predictive Control and State Space Control. To broaden my horizon, I also took courses on Neuromonitoring and Multimedia Video Coding and Architectures which synergize well with my minor Biomedical Instrumentation Engineering.
Sep 2007 – Aug 2012	Bachelor of Science, Electrical Engineering
<i>Eindhoven University of Technology</i>	During my Bachelor, I chose a minor in Biomedical Instrumentation Engineering. I developed a dynamic time wrapping based speech recognizer as my graduation project. My Bachelor thesis was graded 8 out of 10.
Sep 2001 – May 2007	Secondary School
<i>CSG Het Noordik Almelo</i>	Profile: Nature & Technology. Electives: Biology and Economics.

EXPERIENCE

Sep 2012 - Present	Pre University College
<i>Eindhoven University of Technology</i>	The Pre University College organizes workshops to introduce secondary school students to Eindhoven University of Technology. I work as a representative from the department of Electrical Engineering. I am responsible for the workshop, consisting of a presentation and a small project with LEGO Mindstorms, for up to twelve secondary school students.

Sep 2009 – Jan 2013 Student mentor

Department of Electrical Engineering, TU/e

As a student mentor, I was responsible for a group of seven new Electrical Engineering students. The responsibilities include aiding with course materials, attending instructions, keeping track of study progress and assisting them in any other (social) problems. Student mentors are only active during the first semester, from September until January.

Nov 2006 – July 2008 IT employee and salesman

FietsGigant Vriezenveen

The FietsGigant Vriezenveen is a large bicycle store where I worked as an IT employee and salesman. My responsibilities included maintaining and promoting the website, the latter with Google Adwords.

EXTRACURRICULAR ACTIVITIES

Oct 2012 - Present

IEEE Student Branch Eindhoven

Interdisciplinary Relations Officer 2012/2013

The IEEE Student Branch Eindhoven is a local Branch of the worldwide Institute for Electrical and Electronics Engineers (IEEE). The IEEE Student Branch Eindhoven counts over 150 members, including students and staff.

As Interdisciplinary Relations Officer I am responsible for all communication with other departments at Eindhoven University of Technology. Since this is a new function, I am challenged to introduce the IEEE Student Branch to the other departments.

Sep 2007 – Present

Electrical Engineering Study association Thor

Electrical Engineering Study association Thor

The Electrical Engineering Study association Thor arranges several technical and relaxing activities. As an active member of the association I participate in committees, attend student council meetings and supervise new Electrical Engineering students during the introduction weeks.

Oct 2008 – Aug 2011

Electrical Engineering Study association Thor

Member of SATORI study tour committee

The SATORI study tour was a study tour to Japan with thirty Electrical Engineering students in the period of February 23 to March 17 2011. During this trip we visited many high tech companies and universities. As a member of the committee I was responsible for the preliminary activities and the logistics during the study tour. To fund the study tour I contacted several companies to aid us financially.

LANGUAGES

Dutch : Native proficiency
English : Professional working proficiency
German : Elementary proficiency
French : Elementary proficiency

EXPERTISE

Computer Skills

- Microsoft Office
- LaTeX

Programming Skills

- Matlab and Simulink
- C# and C(++)
- HTML and PHP

INTERESTS

Sports (captain of indoor soccer team) and traveling (study tours to China, Japan and England).