

Alexander Skafte

PERSONAL INFORMATION

PHONE: +46 70 754 55 00
EMAIL: alexanderskafte@protonmail.com
WEBSITE: alexanderskafte.com
GITHUB: github.com/askft
LINKEDIN: linkedin.com/in/alexanderskafte

EDUCATION

2013–PRESENT **Lund University, Faculty of Engineering**
Master of Science in Engineering, Computer Science and Engineering.
Specializing in Automatic Control and Digital Signal Processing.

AUTUMN 2016 **Zhejiang University of Technology, Hangzhou, China**
Spent four months abroad studying Mandarin Chinese and engineering courses provided by Lund University.

WORK EXPERIENCE

APRIL–MAY 2016 **Teacher's aide at Lund University**
Worked as a teacher's aide in the course [EDAF15 - Algorithm Implementation](#) during computer exercise sessions. Functions included introduction of exercises to students, answering questions and solution approval.

AUGUST 2015 **Web Developer at Skalab Affärsutveckling AB, Onsala, Sweden**
Developed websites for company clients.

PROJECTS

NOV–DEC 2017 **Self-Balancing Robot** (Course Project)
Built a self-balancing two-wheeled robot using LEGO Mindstorms components. Compared PID control to linear-quadratic control in terms of performance, and Kalman filtering to complementary filtering in terms of measurement accuracy. Report available on my website.

FEBRUARY 2017 **Noise Reduction in the Frequency Domain** (Course Project)
Examined an algorithm for reduction of static noise in real time. A prototype was developed in MATLAB and thereafter implemented in C on a SHARC digital signal processor using the Visual DSP++ framework. Report available on my website.

TECHNICAL SKILLS

LANGUAGES: Go, Python, C, C++, Java, MATLAB
METHODOLOGY: Agile, XP, UML
TOOLS: Simulink, git, Vim, DB, Valgrind
OTHER: SQL, GraphQL, React, JavaScript, HTML, CSS, Unix, Arduino, LaTeX

LANGUAGE SKILLS

SWEDISH: Fluent (native language)
ENGLISH: Fluent
CHINESE: Basic knowledge
SPANISH: Basic knowledge