Petter Wehlin

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EDUCATION

Yale University, *B. S. Mechanical Engineering* (ABET-accredited), Expected graduation: May 2017 (New Haven, CT, USA)
Representative Coursework: Linear Algebra, Multivariable Calculus, Materials Science, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Mechanical Design, Computer-Aided Engineering, Mechatronics, Biomechanics, Design Implementation

Malmö Borgarskola, *IB Diploma Programme*, Graduated May 2013 (Malmö, Sweden)
Grades and Awards: GPA 43/45, Class valedictorian, Top 1% IB score worldwide.

WORK & RESEARCH EXPERIENCE

Yale Biomechanics and Control Lab, *Research Assistant:* September 2015 – Present (New Haven, CT, USA)
Head a research project that attempts to reach a deeper understanding of human throwing. Focused on developing a quantitative model that simplifies the dynamics of the human arm. Employed numerical simulations to test this model. Designed and fabricated a biomimicking gripper used to empirically verify the theoretical results.

Senior Project, *Team member:* August 2016 – December 2016 (Yale University)
Co-lead the design, fabrication, and testing of a modular soft robotics kit that was aimed at improving college-level education. The kit included soft pneumatic actuators, solenoid valves and electronics for feedback control.

Againer, *Product Development Engineer:* May 2016 – July 2016 (Riga, Latvia)
Lead the development of a fully functional prototype of a leg exoskeleton for skiers. In a small cross-functional team we took the project from identifying customer needs, to concept generation and selection, to the fabrication and evaluation of a functional prototype. This project is predicted to culminate in a new commercial product for Againer.

Wellinks, *Programmer:* November 2014 – May 2015 (New Haven, CT, USA)
Lead the development of a web application for a startup that is centered around a wearable device which improves scoliosis treatment. Was responsible for all parts of the application, from hosting, to business logic, and user experience.

Platform45, *Programming Intern:* July 2014 - August 2014 (Cape Town, South Africa)
Collaborated on Ruby on Rails applications with strategies from agile- and test driven development. Built a natural language input feature for an existing application, and created a prototype of an innovative code quality measuring application.

LEADERSHIP & ACTIVITIES

Yale Scandinavian Society, *President:* August 2015 – August 2016 (Yale University)
Leading Yale's society of undergraduate Nordic students. Responsibilities include keeping the society in good standing, promoting Scandinavian culture around campus, and creating a welcoming and supportive community for our members.

iXperience, *Student:* June 2014 – July 2015 (Cape Town, South Africa)
Participated in a 4 week coding boot camp. The curriculum included Ruby on Rails, HTML, CSS, JavaScript, source control and agile development. Built a prototype video conferencing app specialized for the medical industry.

Bulldogs Racing, *Member of Mechanical Team:* September 2013 - April 2014 (Yale University)
Contributed with design knowledge and practical skills to build a hybrid racecar for the Formula-Hybrid Competition. Got experience of using metalworking lathe, milling machine, sheet metal tools, grinder, and other power tools.

IYPT, *Captain of Sweden's National Team:* September 2011 – August 2012 (Malmö, Sweden, and Bad Saulgau, Germany)
Lead Sweden's team of five students who researched 17 different unsolved physics problems. IYPT (International Young Physicists' Tournament) is a yearlong high school research project that culminates in an international competition.

SKILLS & INTERESTS

Skills: Project management, Agile development, Rapid prototyping, Mechanical Design, Data analysis, Microcontrollers
Software: SolidWorks, solidThinking Inspire, MATLAB, Simulink, R, C, Ruby, Rails, LaTeX, MS Office
Interests: Coffee, Skiing, Floorball, Humanism, Calisthenics, Electronic music