

# Peter Sauer

BS MECHANICAL ENGINEERING  
& COMPUTER SCIENCE  
PURSUING MASTERS IN ROBOTICS

## OBJECTIVE

I have been a passionate engineer and computer scientist since my early high school years. I am currently working to build up my robotics skills through a masters in robotics. I aim to find a summer internship in which I can expand my knowledge of one or both areas and gain technical expertise.

## CONTACT

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## REFERENCES

### KENT GUNDLACH

Vice President at PIKE Technologies  
Phone: 608-274-2721  
Email: gundlach@piketech.com

### ELIK DVORKIN

Chief Technology Officer at  
Presco Inc.  
Phone: 920-858-0360  
Email: dvorkin@prescoinc.com

### DAVE ELSMO

Hoofer Sailing Program Manager and  
Sailing Team Advisor  
Work Phone: 608-265-8453  
Email: david.elsmo@wisc.edu

## WORK EXPERIENCE

### SOFTWARE DEV INTERN @ PIKE TECHNOLOGIES

Summer 2019

Primarily worked on automating a coating process using the 861 Deposition Controller by Telemark. Also added wireless connectivity to a temperature control module and programmed a web application to display temperatures plotted over time.

### MECHANICAL ENGINEERING INTERN @ PRESCO INC.

December 2018 - August 2018

Designed and built a prototype device to automatically dynamically change the height of a baseball tee as balls are hit off of it. Project involved designing hardware in solidworks, firmware for the electronics and building an android app to connect to the device wirelessly.

### STUDENT WORKER @ GRAINGER DESIGN INNOVATION LAB

Spring 2019

Aided professors and grad/undergrad students in rapid prototyping processes like 3D printing, lasercutting and CNC routing.

### SAILING INSTRUCTOR @ NORWALK YACHT CLUB

Summer 2016 - 2018

Taught children (ages 7-17) and adults how to sail. Worked with small groups of all levels to teach safety, sailing fundamentals, boat set up and racing strategies.

## SKILLS

### PROGRAMMING LANGUAGES

Java (With Android Experience)  
Ruby  
Python  
Objective C (With iOS Experience)  
Javascript, CSS, HTML

### CAD MODELING

SolidWorks  
Autodesk Inventor

### DESIGN

Adobe Illustrator  
Adobe Photoshop

## EDUCATION

### UNIVERSITY OF WISCONSIN MADISON

2016 - Present

Pursuing Masters in Robotics

### UNIVERSITY OF WISCONSIN MADISON

2016 - Present

GPA 3.2/4 | BS in Mechanical Engineering, Minor in CS

### STAPLES HIGH SCHOOL @ WESTPORT, CT

2012-2016

GPA 3.9/4.5 | National Honor Society | National Merit Scholar | Design Innovation Award

## EXTRACURRICULARS

### WISCONSIN SAILING TEAM CAPTAIN

2019 - Present

### WISCONSIN SAILING TEAM MERCHANDISE CHAIR

2018 - 2019

### UW MADISON FORMULA SAE MEMBER

Fall 2016