

Peter Sauer

BS MECHANICAL ENGINEERING
& COMPUTER SCIENCE
PURSUING MASTERS IN ROBOTICS

CONTACT

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REFERENCES

KENT GUNDLACH

Vice President at PIKE Technologies
Phone: 608-274-2721
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ELIK DVORKIN

Chief Technology Officer at
Presco Inc.
Phone: 920-858-0360
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DAVE ELSMO

Hoofer Sailing Program Manager and
Sailing Team Advisor
Work Phone: 608-265-8453
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EDUCATION

NORTHWESTERN UNIVERSITY

2020 - Present
GPA 3.75/4 | MS in Robotics

UNIVERSITY OF WISCONSIN

2016 - 2020
GPA 3.2/4 BS in Mechanical
Engineering, Minor in CS

STAPLES HIGH SCHOOL

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

WORK EXPERIENCE

UI/UX DESIGNER @ PROJECT CYCLONE

2020 - Present

Working on the UI for a startup company that takes sensor data from machines (diesel engines for our test case) and uses Machine Learning to produce a maintenance schedule that reduces machine downtime considerably.

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 (With ROS Experience)
Objective C (With iOS Experience)
Javascript, CSS, HTML
C, C++ (ROS)

CAD MODELING

SolidWorks
Autodesk Inventor
DESIGN
Adobe Illustrator
Adobe Photoshop

EXTRACURRICULARS

WISCONSIN SAILING TEAM CAPTAIN

2019 - 2020

Managed a team of 40-50 college sailors competing at the national level. Coordinated travel across the US, managed a \$100,000+ budget, created rosters, hired coaches and staff.

WISCONSIN SAILING TEAM MERCHANDISE CHAIR

2018 - 2019

Re-designed the teams logos and information packages, created new shirts, jackets, etc. Managed large team orders.

UW MADISON FORMULA SAE MEMBER

Fall 2016