

# MICHAEL P. WHITMORE II

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## EDUCATION

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### Stanford University

Ph.D. Candidate, Mechanical Engineering

M.S., Mechanical Engineering

*Present*

*June 2021*

### Princeton University

B.S.E., Mechanical & Aerospace Engineering

Certificates: Applications of Computing; Robotics and Intelligent Systems

Honors: Magna Cum Laude, Tau Beta Pi

*June 2019*

## EXPERIENCE

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### Center for Turbulence Research, Stanford University

*Research Assistant, Advisor: Parviz Moin*

September 2019 - Present

*Stanford, CA*

- Perform research on novel wall-modeling approaches for large-eddy simulations with application to external aerodynamics & turbomachinery

### Reactive Robotics GmbH

*Mechanical Engineering Intern*

June 2018 - August 2018

*Munich, Germany*

- Perform modeling and simulations to evaluate the design of a medical robot

### Catbridge Machinery LLC.

*Control Systems Intern*

May 2017 - August 2017

*Montville, NJ*

- Develop an application for automation of Programmable Logic Circuit (PLC) programming

### Department of Computer Science, Princeton University

*Lab Teaching Assistant & Grader*

September 2017 - June 2019

*Princeton, NJ*

- Assist students with debugging programming assignments for introductory courses

## SERVICE

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### seeME

*Stanford University, Department of Mechanical Engineering*

September 2022 - Present

*Stanford, CA*

- Outreach program for Ph.D. students to teach classes to local middle- and high-school students

### Engineers Without Borders

*Princeton University Student Chapter*

September 2015 - June 2019

*Princeton, NJ & Otuzco, Peru*

- Led a team of students to design a gravity-fed water pipeline for a developing community in Peru

## SKILLS

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### Computer Languages

**Languages**

**Software**

C++, C, Fortran, Go, Java, Javascript, Python, x86 Assembly

French: Intermediate, Spanish: Basic, German: Basic

Git, MATLAB, Mathematica, CAD: PTC Creo, AutoCAD