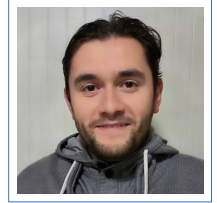


# Miguel Rosas

## Curriculum Vitae

Department of Mechanical Engineering  
Universidad del Bío Bío  
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### Education

2020–2024 **Bachelor of Science in Engineering: Mechanical Engineering**, Universidad del Bío-Bío.

### Publications

#### Journal Articles

2023 **Shadman, Milad et al.** A review of offshore renewable energy in south america: Current status and future perspectives. *Sustainability*, volume 15, 2023.

### Computer Skills

Programming Languages Julia, Python, MATLAB  
Document Preparation LaTeX  
Simulation OpenFOAM, Ansys-CFD  
OS Linux, Windows

### Position of Responsibility

2022-present **Chilean Ambassador of Pan-American Ocean Energy Student Network.**

### Teaching Assistantship

Spring-2021 **CS230033: Newtonian Physics.**  
Autumn-2022 **CS230035: Waves, Optics and Modern Physics.**  
Autumn-2022 **CS440174: Statics.**  
Spring-2022 **CS230033: Newtonian Physics.**  
Spring-2022 **CS230040: Electromagnetism.**  
Autumn-2023 **CS440174: Statics.**  
Autumn-2023 **CS440200: Programming with Mechanical Engineering Software.**  
Autumn-2023 **CS440282: Computational Fluid Dynamics.**  
Spring-2023 **CS440174: Statics.**  
Spring-2023 **CS440282: Computational Fluid Dynamics.**  
Autumn-2024 **CS440400: Mathematical Methods in Mechanical Engineering.**  
Autumn-2024 **CS440282: Computational Fluid Dynamics.**  
Spring-2024 **CS440415: Advanced Computational Fluid Dynamics.**