

# Bonaventure Armand Ramamonjisoa

## Chemical Engineer-Env. Engineer

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## Summary

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Double major Chemical and Environmental Engineering master's graduate seeking entry, mid-level chemical engineering, or environmental engineering positions. Strong skills in modeling, problem solving, chromatography, and waste processing.

## Academic Qualifications:

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### M.Sc. in Chemical Engineering, 2023

Bursa Technical University, Bursa, Turkey

- Thesis: Experimental investigation of heat transfer and friction factor characteristics of surfactant solutions
- GPA: 90 on a 100 scale

### B.Sc. in Environmental Engineering, 2020

Dokuz Eylul University, Izmir, Turkey

- Turkey Scholarship Recipient
- Thesis: Pretreatment of peach pulps by microwave for biohydrogen production
- GPA: 74.5 on a 100 scale

## Relevant Skills:

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- Proficiency with chemical plant control system.
- In-depth knowledge of oil and gas process simulation.
- Process, Chemical Process Modeling
- Waste processing
- Separation Processes

## Computer Skills:

- Languages: Python, MATHLAB, HTML, CSS
- Software: ANSYS, AutoCAD, SOLIDWORK, ASPEN PLUS (Basic)

## Internship/Research Experience:

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### Research Engineer

Btu Chemical Engineering Lab, Bursa, Turkey

Feb 2022 to Oct 2022

- Investigate experimentally heat transfer and friction factor characteristics of surfactant additive using double pipe counter flow heat exchanger.
- Solved complex problems in synthesis, formulation, processes, testing and root causes.
- Worked with associated technology and software applications to manipulate and synthesize data for research projects.
- Designed and executed experiments, analyzed and interpreted primary data, and formed logical conclusions.

### Research Scientist

Deu Bio-Process Laboratory, Izmir, Turkey

Aug 2019 to Jan 2020

- Wrote research papers, reports, reviews, and summaries regarding hydrogen production.
- Performed research into study topics to increase knowledge and to provide valuable contributions.
- Generated data models and performed analysis to produce reports outlining results.
- Documented and reported test results after making graphical solutions and representations.

## **Intern- Environmental Engineer**

Kemalpaşa Organize Sanayi, Izmir, Turkey

Jun 2018 to Oct 2018

- Wastewater treatment process control.
- Design wastewater treatment plants project using AutoCAD.
- Regularly reading and comprehending wastewater treatment plant construction blueprints.
- Conducted hazardous waste management studies.
- Performed environmental site assessments and provided remediation recommendations.

## **Language**

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- English: Advanced
- French: Intermediate
- Turkish: Intermediate
- Malagasy: Native