

# Beryl Ramadhian Aribowo

## PhD student

Last update: September 24, 2024

Up-to-date version of CV is available at  
<https://berylgithub.github.io/cv>

Currently, I am a PhD student in the Vienna Graduate School of Computational Optimization ([VGSCO](#)). Mainly, I have a combined 8+ years of experience dealing with machine learning implementation in academia and industry.

## Education

Dec 2020 - present (estimated completion on December 2024)

### PhD in Mathematics

University of Vienna - Vienna Graduate School of Computational Optimization (VGSCO) - Faculty of Mathematics, Vienna, Austria.

Thesis topic: <p>Machine learning for chemical data.</p>

Mar 2019 - Mar 2020

### MSc in Computational Science (Double degree program)

Kanazawa University (KU) - Graduate School of Natural Science and Technology - Division of Mathematical and Physical Sciences, Kanazawa, Japan.

Thesis topic: <p>Machine learning for molecular binding.</p>

Jul 2018 - Aug 2020

### MSc in Computational Science (Double degree program)

Institut Teknologi Bandung (ITB) - Fakultas Matematika dan Ilmu Pengetahuan Alam, Bandung, Indonesia.

Thesis topic: <p>Optimization for protein folding.</p>

Jul 2012 - Jul 2016

### BSc in Informatics






Telkom University - Fakultas Informatika, Bandung, Indonesia.

Thesis topic: <p>Reinforcement learning for traffic light control.</p>

## Professional experience

Jan 2018 - Aug 2018

### Freelance Software Engineer

Residence	 <a href="#">Vienna</a>
Github	 <a href="#">berylgithub</a>
LinkedIn	 <a href="#">Beryl R. Aribowo</a>
University personal page	 <a href="#">baribowo</a>
Email	 <a href="mailto:berylramadhian@gmail.com">berylramadhian@gmail.com</a>

Software engineering for frontend UI and backend for research project.

Software engineering - frontend

Software engineering - backend

C#

Golang

Nov 2016 - Nov 2017

## Machine Learning Engineer

(PT Ebdesk Teknologi, Bandung, Indonesia) Developed machine learning engines applied on various software.

Applied machine learning

Software engineering - backend

Python

Java

## Additional experience

### Research stay

Research stay in the Department of Materials Science & Engineering, University of Toronto, Toronto, Canada (June 2023 - November 2023).

Working in "delta machine learning for quantum chemistry" project.

Applied machine learning

High performance computing

Julia

Python

### Internship

Internship in GeekStudio, Cimahi (2015).

Working in "Twitter account classification" project.

Applied machine learning

Java