



Hi! You've found the Curriculum Vitae of

# Satwiko Wirawan Indrawanto

## Software Engineer

A curious do-it-yourself person who tends to disassemble and repair things by myself and a dedicated computer whiz, with a well-maintained hobby in creative motion graphics and videography. Sometimes draws and occasionally plays music.

### education



**Ph.D. in Computer Science**  
Toyohashi University of Technology

October 2024 - Present

Research: 4 Dimensional Reconstruction from Monocular Videos



**M.Sc. in Game and Media Technology**  
Utrecht University

September 2017 - August 2019

Thesis: Porting and Maintaining a Developing OptiX Path Tracer for Non-NVIDIA Devices



**B.Eng. in Electrical Engineering**  
Institut Teknologi Bandung

August 2008 - June 2013

Final Project: Fingerprint Image Processing with Verification and Identification Design and Implementation for Automated Fingerprint Identification System

### experiences



**Back End Developer**  
Virgo (PT Capital Net Indonesia)

May 2022 - October 2023

Led a small branch development team with a focus on integrating APIs for digital goods, QRIS, and BI Snap.



**Machine Learning Engineer**  
Midas Financials

July 2021 - December 2021

Developed a machine learning-based AI assistant for a financial tech startup running in a Google Cloud Platform microservice environment.



**Computer Animation Teaching Assistant**  
Utrecht University

April 2019 - July 2019

Teaching Assistant on a variety of topics related to computer animation such as motion capture, blending, inverse kinematics, and physics-based animation.

### projects



**Komando Daerah Militer Jayakarta**

September 2023 - December 2023

Designed and programmed a real-time live multi camera surveillance server using various AI detections.



**Kementerian Pendidikan dan Kebudayaan**

Seasonal 2021 - 2023

Indonesian Thematic Robot Contest software research and development for Kontes Robot Indonesia 2021, 2022, and 2023 under Pusat Prestasi Nasional.

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📍 Toyohashi, Aichi, Japan  
📄 Online Curriculum Vitae

### connect

🌐 linkedin.com/in/satwikowirawan  
🌐 behance.net/satwikowirawan  
📷 instagram.com/satwikowirawan

### interests

🎮 video games  
🃏 trading card games  
🧰 model kits  
🖋 drawing  
📷 photography  
📺 videography  
🎵 music

### english proficiency

**IELTS Overall Band Score 8.0**

CERF Level C1  
Taken April 2024

### certificates

**Visual Communication using Adobe Photoshop CS5**  
Certiport, License 90030576  
Starting May 2013

### confidence level

#### design applications

Adobe Photoshop	<div><div></div></div>
Adobe Illustrator	<div><div></div></div>
Adobe After Effects	<div><div></div></div>
Adobe Premiere Pro	<div><div></div></div>

#### productivity applications

Microsoft Office	<div><div></div></div>
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#### programming languages

Python, OpenCV	<div><div></div></div>
C / C++	<div><div></div></div>
C#	<div><div></div></div>
Golang	<div><div></div></div>
CUDA, OpenCL	<div><div></div></div>
HTML, CSS, PHP	<div><div></div></div>