

**Email** yudong.sun@campus.lmu.de  
**Address** Waginger Straße 1  
81549 München  
**Telephone** +49 162 5476221  
**Birthday** 1998-07-29

## Curriculum vitae

[linkedin.com/in/sunjerry019](https://www.linkedin.com/in/sunjerry019)  
[github.com/sunjerry019](https://github.com/sunjerry019)



### / 00 Summary

Highly motivated and dedicated undergraduate seeking internship opportunities in software engineering to hone his skills and capabilities in the field. Willing and able to learn.

### / 01 Education

2019 - Now **University of Munich** Physics, B.Sc.  
Self-motivated cross-disciplinary education in Physics and Computer Science. Also took more challenging foundational CS courses at the Technical University of Munich (TUM) to expand horizons. Average Grade: 1.4  $\approx$  A

2011 - 2016 **Hwa Chong Institution** Singapore  
GCE A Levels  
H2 4x A's // H3 Distinction  
Physics, Chemistry, Maths and German H2  
Linear Algebra [NUS] H3

### / 02 Relevant Experiences

2019 - 2019 **Research Intern** Nanomaterials Lab  
/02 /09 National University of Singapore (NUS)  
Biophysics Research and Data Analysis. Achieved among others the integration of existing equipment with DIY Optical Shutter through `python`.

2019 - 2019 **Freelance Web Developer** Singapore  
/02 /09 Full Stack Web Development based on `Django`; Deployment of various services to Linux VPSes; Oversaw the redesign of school alumni website.

2017 - 2019 **Operations and Training Administrator** Serviceman  
/02 /02 Singapore Armed Forces  
Streamlining of routine procedures against time and manpower constraints through JS, VBA and C++ Scripts. Led a small team in administrative tasks dealing with the organization of a large scale event.

2013 - 2016 **Co-Founder, Photonics Interest Group**  
Setting up of basic network and IT infrastructure within the Photonics lab; Linux system administration; Interfacing with equipment (`python`) and automation of data collection.

2011 - 2016 **Electronic Communications and Computer Club (EC<sup>3</sup>)**  
Vice Chairman 2014 Web Developer  
Self taught Web Development (HTML/JS/CSS, PHP); Learnt Competitive Programming (C++) Represented the school at National Olympiad for Informatics (NOI) and won a bronze medal.

## / 03 Selected Projects

### LatexBot

NodeJS

2020

[github.com/sunjerry019/LatexBot](https://github.com/sunjerry019/LatexBot)

Easily self-deployable Telegram Bot that renders  $\text{\LaTeX}$  on-the-fly. Supports compiling directly on server with pre-installed TeXLive for better data protection.

### photonLauncher

python/bash

2019

[github.com/sunjerry019/photonLauncher](https://github.com/sunjerry019/photonLauncher)

Measuring the Temporal Correlation of Light from a Mercury Discharge Lamp

2016

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2014

Setting up of lab infrastructure from scratch. Created equipment interfacing scripts on Linux and automated data acquisition. Remote monitoring, experimentation and extraction of data without physical access to the lab was set up. Basic Linux system administration.

### OneCorpSec

python/Full Stack

2019

[github.com/sunjerry019/onecorpsec](https://github.com/sunjerry019/onecorpsec)

Automated Corporate Secretary System written in Django. Freelance Work. Database with an web administration front-end that periodically sends out reminder E-Mails to various stakeholders based on pre-set conditions.

### The English Tuition Corner

Full Stack

2017

[theenglishtuitioncorner.com](https://theenglishtuitioncorner.com)

Deployed a Wordpress website and email server for my teacher from a LAMP VPS. Emails were also properly authenticated with DKIM and SPF.

## / 04 Languages Spoken

*English*

Native Level

Written/Spoken

*Chinese*

Native Level

Written/Spoken

*German*

Working Proficiency

TestDaF (TDN 4/5/4/4)

## / 05 Achievements

2020

**Scholarship for Particularly Socially Engaged Students**

University of Munich, Germany

2018

**Recipient of the Commander's Coin**

Singapore Armed Forces

for exceptional work

2016

**National Olympiad for Informatics, Bronze Medallist**

National University of Singapore

2016

**Euclid Mathematics Contest, Distinction**

University of Waterloo

2015

**Language Elective Scholarship (German)**

Ministry of Education, Singapore

2015

**Best Design, Manpower Hackathon**

Ministry of Manpower, Singapore