SUN Yudong

Email   yudong.sun@campus.lmu.de
Address   91 Tanglin Halt Road
#25-300, Singapore 142091
Telephone   +49 162 5476221
Birthday   1998-07-29

Curriculum vitae

linkedin.com/in/sunjerry019
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 $4 \times$ 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 Developement 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^3)**
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

Easily self-deployable Telegram Bot that renders 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   ∧
Measuring the Temporal Correlation of Light from a Mercury Discharge Lamp   *2016*   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

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

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   *Chinese*   *German*
Native Level   Native Level   Working Proficiency
Written/Spoken   Written/Spoken   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**   for exceptional work
          Singapore Armed Forces

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