



Antonio Yang
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Antonio Yang

An interdisciplinary person who not only loves new technologies but also has a self-learning personality.

Skills

Rust Open Source Project Participation

- Participate in RustPython, S3rs

Python Based Web Service

- 4+ years of web service, including Django, Flask, Nameko

Frontend Experienced

- Act as a full-stack engineer in many projects

Python Based AI/Data Engineer

- Experience with network behavior modeling

Modern Web Development

- Good knowledge in implement with RESTful API, JWT, Swagger

Speed & Reactive Working Model

- Comfortable with Agile culture, CI/CD development flow

GNU/Linux & Open Source Solution

- 8+ years using Linux/opensource solution in life and work

Public Cloud Solution

- Experience with AWS and GCP

Experience

Mar 2018 - Sep 2019, Senior Engineer of Bigtera

- S3 storage class (tier, migrate, proxy with customized CEPH Radosgw),
- S3 notification (in house SQS, SNS with Sanic backend),
- Web console (Flask backend, Webpy backend, Vue frontend)

Sep 2015 - Mar 2018, Engineer of TrendMicro

- Home Network Security Department of Consumer Bussiness Unit
 - Network behavior modeling (Scikit learn, Numpy),
 - Network traffic sampling (C program on ARM platform)
- Business Application Department of IS Bussiness Unit
 - TSE Workspace (internal tech support portal, Angular, .Net MVC)
 - PhishInsight (phishing awareness simulation SaaS, Django, nameko),
 - API Management (internal service, AWS Lambda, APIGateway),
 - TIP (internal threat case integration platform, React)

Mar 2015 - Sep 2015, Software Engineer of TSM

- A web-based access control system
- WebSocket notification
- Low-level machine communication

Sep 2013 - Dec 2014, Patent Specialist of Rich IP. Co

- Reporting the examiners' opinions
- Preparing responses to governments
- Technical article translation

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Education

2019 Mar CISSP Training Completion

CBK Training Seminar in Taiwan

2017 Jul Machine Learning in Coursera

Andrew Ng, Stanford University with 98.00% grade

2016 ARM-based Development in IT Training

Linux system development, driver, bootloader (Cortex-A)

2009 - 2013 Chemistry MS at National Taiwan University

Under Prof. Richard P. Cheng (RPC), 6 publications

2005 - 2009 Chemistry BS at National Taiwan University

Familiar Tools

Programming

- Rust
- Python
- Javascript

DevOps

- ArchLinux
- Travis CI
- Nginx
- GCP AppEngine
- AWS Lambda
- AWS APIGateway
- Ubuntu Linux
- Gitlab CI
- Jenkins
- GCP Compute
- AWS S3
- Docker

Open Source Contribution

- RustPython contribution (byte, unicode literal, str ...)
- Rust S3 Client (s3rs)
- Pypi packages (flask-accept, antbot)
- ArchLinux package (giseditor, ibus-array)
- Several open-source projects (PyText2Speech, klink, neovim plugin ...)

References

○ Contribution

RustPython	https://github.com/yanganto?org=RustPython
flask-accept	https://github.com/di/flask-accept/pull/8
S3rs	https://docs.rs/crate/s3rs/0.3.0
S3rs@COSCon19	https://slides.com/po-anyang/s3rs-coscon19
PyText2Speech	https://github.com/PyText2Speech/
Giseditor	https://aur.archlinux.org/packages/giseditor/
Ibus-array	https://aur.archlinux.org/packages/ibus-array/
Neovim Plugin	https://github.com/yanganto/nvim-translate
Antbot	https://pypi.python.org/pypi/antbot/0.1.3

○ Certificate

Machine Learning	https://bit.ly/2HmQD9h
Rust Course	https://bit.ly/2kKmo4U

○ Project

PhishInsight	https://phishinsight.trendmicro.com/en/
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○ Presentations

Data Competition	https://bit.ly/2DBrd6e
Slides	https://slides.com/po-anyang

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Publications

1. Effect of side chain length on intrahelical interactions between carboxylate- and guanidinium-containing amino acids. *Amino Acids* 2014, 46, 1867-1868. (2nd author)
2. Effect of charged amino acid side chain length on lateral cross-strand interactions between carboxylate-containing residues and lysine analogs in a -hairpin. *Biochemistry* 2013, 52, 9212-9222. (co-author)
3. Effect of charged amino acid side chain length on lateral cross-strand interactions between carboxylate-containing residues and lysine analogs in a -hairpin. *Biochemistry* 2013, 52, 9212-9222. (co-author)
4. Effect of glutamate side chain length on intrahelical glutamate-lysine ion pairing interactions. *Biochemistry* 2012, 51, 7157-7172. (co-author)
5. Helix formation and capping energetics of arginine analogs with varying side chain length. *Amino Acids* 2012, 43, 195-206. (co-author)
6. Positional effects on helical Ala-based peptides. *Biochemistry* 2010, 49, 9372-9384. (co-author)