

Profile

Determined, passionate, hard-working software programmer with high motivation. Experienced in multiple programming languages with passion to dig in depth. Known to be a good team worker and leader. Willing to learn new skills, modest and open-minded.

Looking to...

Gain experience of working in an IT company as a software/web developer, learn new skills and techniques of software development and get to know about the real-life workflow of making a product.

Education

BSc Computing and Software Engineering (On-going), 2019
— University of Melbourne, Australia

GCE 'A' Level, 2015
— Anderson Junior College, Singapore

Languages

Chinese: Native speaker.
English: Professional, IELTS Academic 8.0.
Japanese: Elementary.

Technical Skills

Languages	Python 3 · PHP · HTML · CSS · JavaScript · SQL · C++ · Pascal
Platforms	Windows · OS X · Linux/Unix
Methodologies	MVC Structure · RESTful API · Git Workflow
Frameworks	CodeIgniter · Laravel · Twitter Bootstraps · Django
Networking	TCP/IP · HTTP
Tools	Sublime Text · Git · Bash · Markdown · Chrome Developer Tools · Visual Studio · Vim · RegEx

Professional Experience

Eanois CMS — A CMS system based on Laravel

PHP · SQLite · Laravel · AngularJS · Sass · Eloquent

<https://github.com/blueset/eanois>

- Full CMS with Markdown parsing and upload management
- Cross-language slug generation with PHP 118N and External API
- Generic theming solution with unified API for AngularJS
- Dynamic Sitemap and RSS generation based on Theme config
- Extensible category/tag-specific template config
- Fetch external RSS content
- AngularJS enabled front-end in HTML5 mode

1A23 Service Bot — A Telegram Chatbot as a school information portal

Python 3 · RESTful API · HTTP API Wrapping

<https://github.com/blueset/SvcBot1A23>

- Python on Apache with WSGI interface
- API wrapping as a Python module
- Deep integration with Telegram Bot API
- Reverse engineered API from Android Apps
- User login emulation in Python
- Printable timetable generator with Python GD library
- HTML and XML parsing to Python Objects

Please refer to the online CV for more details and the latest contact info. Online contact methods are preferred.
Thank you and I am looking forward to working with you.

Achievements

September 2015,
Ace of Coders (National Infocomm Competition Face-off), Outstanding Male Coder.

June 2015,
Cyber Defenders Discovery Camp Tournament, First Position & Best Defender.

March 2015,
National Olympiad in Informatics, Bronze.

June 2014,
SimTech Experience and Challenge Vision-based Mobile Apps Competition, Most Popular App.

March 2014,
National Olympiad in Informatics, Bronze.

July 2013,
National Infocomm Club Award, Silver.

Professional Experience (cont'd)

EH Forwarder Bot — A extendible chat tunnel between different services

Python 3 · Threading · Telegram Bot · WeChat Web API · Reverse Engineering

<https://github.com/blueset/ehforwarderbot>

- Extendible Bot framework based on threading
- Efficient inter-thread communication with Python Queue
- Multimedia identification, format/encoding conversion
- Interact with external API and reversed engineered interfaces

Project Lyricova — A blog system focused on lyrics

PHP · SQL · CodeIgniter · HTML · CSS · JavaScript

<https://blueset.github.io/project-lyricova>

- Python on Apache with WSGI interface
- API wrapping as a Python module
- Deep integration with Telegram Bot API
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- User login emulation in Python
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- HTML and XML parsing to Python Objects

CIPREG - Online Volunteer Management System

PHP · SQL · CodeIgniter · HTML · CSS · JavaScript

<https://github.com/blueset/CIP-management>

- Multi-admin collaboration
- Volunteer task assignment
- Report generation

StereoGIF - 3D Parallax GIF Generator

Android · Java · OpenCV

<https://github.com/blueset/StereoGIF>

- Android UI with XML
- OpenCV GIF Generation
- Local storage access
- File share API

SingPath — An online judgement system

AngularJS · Docker · AngularMaterial · Firebase

<https://github.com/ChrisBoesch/singpathfire>

- Contributed in the project
- Group project workflow
- Unit testing
- Bug report method