

LOH SHENG YANG, MICHAEL

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EDUCATION

National University of Singapore (NUS)

B.S. in Computer Engineering

Aug 2009 - May 2013

University of California, Berkeley, San Francisco

Summer Exchange

May 2011 - July 2011

EXPERIENCE

Bioinformatics Institute, A*Star

Software engineer

August 2013- Present

Singapore

- Implemented a novel microscopy screening algorithm and helped reduce acquisition time by 40%.
- Added new image processing features for an existing cell segmentation software.
- Performed image registration on biomedical image slices for drug analysis.
- Developed algorithms and software for fly specie detection with 99% accuracy.
- Analysed and provided machine learning solutions for FPGA timing and optimization problems.
- Designed and implemented the user interface for an image processing software before packaging for distribution.

Citibank

Intern

Jan 2012 - June 2012

Singapore

- Performed source code migration from CVS to Perforce.
- Tested electronic trading simulators and provided feedback to vendors.
- Help setup and deploy an electronic trading simulator.

MSH Direct Pte Ltd

Telemarketer

Jan 2009 - Apr 2009

Singapore

- Promoted personal loans and credit cards on behalf of Standard Chartered Bank and achieved sales of \$10,000 monthly.

TECHNICAL STRENGTHS

Computer Languages

Java, C, C++, Python, R, Android, HTML, CSS, Javascript, SQL

Skills

Machine Learning, Image Processing, Android, Software Development

Tools

Git, Latex, Gnuplot, Vim, MS Office

OS

Windows, Linux, Mac

IDEs

Eclipse, Netbeans, Visual Studio, Android Studio

LINKS

Github

<https://github.com/lohsy>

LinkedIn

<https://www.linkedin.com/pub/michael-loh/9a/241/533>

INTEREST

Reading, Coding, Android, Boxing, Basketball