

Stanley Ho

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SUMMARY

- Experienced software professional with hands-on programming skills
- Excellent skills in developing robust software and in communication
- Passionate in problem-solving with strong analytical skills

PROGRAMMING SKILLS

Languages C++, C, Python, JavaScript, Matlab, Shell Script, Java

Technologies Intel IPP, OpenCV, Angular, React, Docker, Linux, Jenkins, Nodejs, PostgreSQL

EXPERIENCE

- **Deepmap** Palo Alto, CA
Software Engineer May 2019 - Present
 - **On Vehicle Software:** Contributed to development of on-vehicle software.
 - **HD Maps:** Contributed to developing map update in map geometry and integration tests.
- **Roche Tissue Diagnostics** Santa Clara, CA
Senior Software Engineer Nov 2013 - May 2019
 - **Microscopy Image Server:** Implemented high resolution microscopy image http server in C++. Improved scalability, response time and throughput by 50%.
 - **Machine Learning Pipeline:** Developed web-based image analysis platform, which servers as data management and machine learning pipeline for data labeling and model training.
 - **Detection:** Contributed to developing cell detection algorithm in deep learning. Integrated and productized it to image analysis platform.
 - **Framework:** Contributed to developing features, maintaining framework and unit testing of image analysis SDK in both C++ and Matlab.
 - **Segmentation:** Implemented semi-automatic interactive segmentation algorithm and tool for real-time tissue segmentation in Matlab and in C++.
 - **DevOps:** Improved unit testing, continuous integration and continuous delivery to streamline software development.

CERTIFICATIONS

Coursera Deep Learning Specialization, TensorFlow in Practice Specialization

EDUCATION

- **University of California, Santa Barbara** Santa Barbara, CA
Master of Science, Electrical and Computer Engineering; Award: Barpal Fellowship Sep 2011 - Jun. 2013
 - **Project:** Improved 3D image registration routine by aligning 2D image sequences in C.
 - **Coursework:** Computer Vision, Pattern Recognition (Machine Learning), Digital Speech Processing
- **National Chiao Tung University** Hsinchu, Taiwan
Bachelor of Science, Industrial Engineering Sep 2006 - Jun. 2010