

Eddie Yan

eddieyan101@gmail.com

<https://linux.ucla.edu/~eqy>

Education	University of Washington Graduate Student in Computer Science and Engineering Current GPA: 4.00 2015 — Present
	University of California, Los Angeles B.S. Electrical Engineering, Computer Engineering Focus GPA: 3.78 2011—2015
Experience	Research Assistant , Sampa group, UW October 2015 — Present <ul style="list-style-type: none">• Designing storage systems specialized for image data• Developing benchmarks to evaluate hardware accelerators for machine learning
	Research Assistant , The Ozcan Lab, UCLA October 2013 — June 2015 <ul style="list-style-type: none">• Software development in telemedicine and mobile health• Porting MATLAB[®] code to Java/C++/OpenCV• Android application development
	Research Assistant , UCLA Applied Mathematics REU June 2013 — August 2013 <ul style="list-style-type: none">• Development of machine learning based computer-aided diagnosis tools for bilateral temporal lobe epilepsy• Implemented spectral clustering and feature selection algorithms in MATLAB[®]• Experimented with SVM libraries: Weka, LIBSVM
	Research Assistant , Masmanidis Lab, UCLA October 2012 — June 2013 <ul style="list-style-type: none">• Optimized spike sorting analysis of electrophysiological data through MATLAB[®]• Implemented an algorithm to automatically evaluate the quality of merged waveforms• Used principal component analysis to evaluate the separation of waveforms
	Research Volunteer , Semel Institute, UCLA October 2012 — June 2013 <ul style="list-style-type: none">• Streamlined research workflow through automation• Experimented with shell scripting and the Google Drive API
Skills	<u>Languages</u> : MATLAB [®] , C++, C, Python, Java, Bash, L ^A T _E X <u>Other Skills</u> : x86 PC Assembly and Repair, UCLA IEEE OPS Graduate (Soldering, Breadboard prototyping)
Github	https://github.com/eqy
Publications	Masters of Control: Behavioral Patterns of Simultaneous Unit Group Manipulation in StarCraft 2 Eddie Yan, Jeff Huang, Gifford Cheung http://dl.acm.org/citation.cfm?id=2702429 Imaging and Sizing of Single DNA Molecules on a Mobile Phone

Qingshan Wei, Wei Luo, Samuel Chiang, Tara Kappel, Crystal Mejia, Derek Tseng, Raymond Yan Lok Chan, Eddie Yan, Hangfei Qi, Faizan Shabbir, Haydar Ozkan, Steve Feng, and Aydogan Ozcan

<http://pubs.acs.org/doi/abs/10.1021/nm505821y>

Detection and Spatial Mapping of Mercury Contamination in Water Samples using a Smart-Phone

Qingshan Wei, Richie Nagi, Kayvon Sadeghi, Steve Feng, Eddie Yan, So Jung Ki, Romain Caire, Derek Tseng, and Aydogan Ozcan

<http://pubs.acs.org/doi/abs/10.1021/nm406571t>

Misc. Past Projects

A Ray Tracing Analysis of Efficiency Enhancement of InGaN Based Light Emitting Diodes Through Geometric Chip Modifications 2011

An Analysis of Clock Rate and Thermal Scaling in Modern Multi-Core Microprocessors 2010

Academic Honors	Member, Tau Beta Pi - California Epsilon	2012 —
	Member, Eta Kappa Nu	2012 —
	Intel Science Talent Search Semifinalist (project listed above)	2011
	National Merit Scholar Finalist	2011