

CHRISTOPHER Y. KANG

90 St. Mary's Street, Boston, MA 02215 | Email: christopherykang@gmail.com | Cell: 310.560-3979

EDUCATION

Boston University: College of Engineering – Boston, MA	Fall 2016
Masters of Science, Mechanical Engineering - GPA 3.65	
University of California San Diego – San Diego, CA	Spring 2012
Bachelor of Science, Biochemistry	
Lean and Agile Product Development	Jan. 2016
Lean Six Sigma: Novitiate Certification	Aug. 2013
Clinical Research Associate: Lab Certification	Sep. 2012

EXPERIENCE

Philips – Boston, MA	May. 2016 – Present
Engineering Intern, Lifeline	
<ul style="list-style-type: none">Managed and executed engineering investigations to achieve FDA compliance.Applied root cause analysis to improve product design and manufacturing processes.Identified supply quality oversights involving PCBA and battery configurations.Built radiofrequency manufacturing standards and created associated SOP documents.Performed firmware/hardware testing utilizing python, Tektronix oscilloscopes, and signal analyzers.	
Johnson and Johnson – Los Angeles, CA	Aug. 2013 – July 2015
Qualification Engineer, Quality Assurance and Operations Engineering	
<ul style="list-style-type: none">Drove and managed process improvement and system automation projects.Developed project plans and coordinated cross-functional teams to ensure quality of manufactured products.Documented clear and well justified corrective and preventative action plans.Represented, supported, and participated in corrective and preventative action plans.Liaised with cross functional teams to identify areas for process improvement and remedy business issues raised.Supported and drove public sector initiatives.Travelled to various manufacturing sites in order to meet with local Operations Engineers and strategically enhance systems.Performed data analysis using Stata, Maximo, Matlab, and Python to comply with FDA and ISO regulations.	
Millennium Laboratories – San Diego, CA	July 2012 – July 2013
Research Associate, LCMS and Genetics Laboratory	
<ul style="list-style-type: none">Developed high precision minimally invasive drug testing technique.Emphasis on operational improvement and strategic program implementation.Identified opportunities to further automate the genetic testing process, leading to increased efficiency across multiple depts.Spearheaded process improvement and automation projects.Team lead on the transition to and implementation of in house preventative maintenance applications. Saving \$400,000/yearPerformed database audits and compile reports in Microsoft Word, Excel, PowerPoint, and Visio.	
Veterans Medical Research Foundation – San Diego, CA	Oct. 2010 - July 2012
Research Associate, Core for Micro-imaging	
<ul style="list-style-type: none">Liaised with cross functional teams to improve new drug applications and patents.Optimized analytical recombinant DNA procedures and created genomic libraries for experiments relating to antibody research.Utilized TEM and SEM technologies for government funded research.Performed clinical in vivo applications of stem cells in the repair of severed nerve cells.	
Takeda Pharmaceuticals – San Diego, CA	Mar. 2009 – Feb. 2011
Intern, Organic Chemistry Laboratory	
<ul style="list-style-type: none">Performed dry/wet chemistry procedures utilizing HPLC equipped Mass Spectroscopy.Purified organic compounds using Thermo FPLCOperated and maintained HPLC, LCMS, and NMR systems.	

PROJECTS

Smart Food Storage utilizing Lean and Agile Product Development	Jan. 2016 – Current
Team lead, Food storage system utilizing the Internet of Things	
<ul style="list-style-type: none">Created a database management system using RFID, NFC, and QR code technology.Designed product using AutoCAD, Solid Works, Laser cutting, and 3D printing systems.	