

Kevin Cho, Ph.D.

870 E. El Camino Real #39
Mountain View, CA 94040
Website: <https://chokvn.github.io>

Email: cho.kvn@gmail.com
Mobile: (914) 844-6181

Professional Summary

A data scientist with a strong background in quantitative analysis from Ph.D. studies and ability to deliver presentations of data to inform, influence, and support recommendations for developing product efficiency.

Education

Ph.D. Chemistry The Johns Hopkins University	December 2012 Baltimore, MD
M.A. Chemistry The Johns Hopkins University	November 2011 Baltimore, MD
B.S. Chemistry with Honors Binghamton University Awards: Scholars Program	May 2007 Vestal, NY

Experience

Senior Engineer Samsung Electronics <ul style="list-style-type: none">• Led a research team and submitted patents for new quality analysis techniques to improve key metrics• Discussed results of analyses with suppliers to influence strategies for improving quality and yield• Developed an R program for finding differences in datasets to improve yield based on new patterns• Determined mechanisms for defects based on impurities data to solve issues affecting 1-3% yield• Presented seminars for defect mechanisms and analytical techniques to multidisciplinary team	June 2013 – March 2015 Hwaseong, Korea
Postdoctoral Associate WCU Center for Smart NanoBio Conjugates <ul style="list-style-type: none">• Analyzed dependency of electrochemical activity based on structure and environment	October 2012 – May 2013 Seoul, Korea
Research Associate The Johns Hopkins University <ul style="list-style-type: none">• Optimized catalytic yield from nanoparticles by testing reaction conditions against activity• Determined reaction mechanisms by time series analysis of transient species• Presented and published research at multiple conferences and taught undergraduate chemistry students	August 2007 – October 2012 Baltimore, MD
Undergraduate Research Assistant Binghamton University <ul style="list-style-type: none">• Optimized nanowire size and quality by varying polymer concentration and composition	September 2005 – May 2007 Vestal, NY
Academic Mentor W.E.S. Learning Center <ul style="list-style-type: none">• Taught and mentored students in group or one on one settings in high school science subjects	January 2004 – May 2012 Hartsdale, NY

Technical Skills

Analytical Techniques: analytical chemistry techniques, design of experiments, A/B testing, risk/reward

Statistical Methods: regression models, time series, hypothesis testing, confidence intervals

Software and Programming Languages: Python, R, HTML, SQL

Personal Skill: communication, presentations, time management, leadership, ability to work under pressure
