

## Kevin Cho, Ph.D.

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### 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.

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### Education

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

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### Experience

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

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### Technical Skills

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

**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

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