Min Cheol Kim

Email: mincheoly@gmail.com
Phone: (858) 228-6487

EDUCATION

9 / 2013 – 6 / 2017	**Stanford University**, Stanford, CA
	B.S. Electrical Engineering, GPA: 4.0/4.0
	M.S. Electrical Engineering, GPA: 4.0/4.0
9 / 2009 – 6 / 2013	**Thomas Jefferson High School for Science and Technology**, Alexandria, VA

SKILLS & INTERESTS

Skills: C, C++, C#, Python, MATLAB, R, MS Azure

Interests: Medical Devices, Quantitative Biology, Healthcare, Pharmaceuticals

EXPERIENCES

4 / 2017 (Incoming)	**Data Scientist,** *Komodo Health,* San Francisco, CA
	Incoming member of the data science team at healthcare analytics startup.
6 / 2016 – 9 / 2016	**Data Engineering/Architecture Intern,** *Medtronic,* Minneapolis, MN
	Architected and prototyped Medtronic's cloud-based processing and analytics platform.
10 / 2015 – 4 / 2016	**Software Engineering Intern,** *ZONARE Medical Systems,* Mountain View, CA
	Developed and tested ZONARE's ultrasound technology software chain.
6 / 2015 – 9 / 2015	**Software Engineering Intern,** *Medtronic,* Minneapolis, MN
	Developed software for an implantable heart monitor, the Reveal LINQ device.
6 / 2013 – 8 / 2013	**Research Intern,** *Naval Research Laboratory,* Washington, D.C.
	Designed rule-based event correlation protocols for naval defense purposes.

RESEARCH/PROJECTS

9 / 2015 – 12 / 2015	**Protein Dynamics Inference from Unordered Structure Data**
	Reconstructing kinetic information from purely equilibrium experiments. Inferring transitions given high resolution images of different protein conformations. Supervised by Dr. TJ Lane at the Stanford Linear Accelerator Laboratory (SLAC).
4 / 2015 – 6 / 2015	**Bayesian Approach to Generating and Validating Cancer Mutation Trees**
	Modified, validated, and tested an algorithm to use sequencing data to infer the order in which specific genes get mutated for normal cells to transform into cancer cells.
1 / 2015 – 4 / 2015	**"Mind Reading" – Image Reconstruction from fMRI data**
	Recreating the image patient was viewing when the fMRI brain scan was taken.
9 / 2013 – 2 / 2015	**Cellular Force Transmission in a Soft, 3D Extracellular Matrix**
	Quantitative analysis of the dynamics of the actin cytoskeleton, focal adhesions, and extracellular matrix fibrils to study how these components create cellular movement. Performed by the Dunn Lab (Stanford Department of Chemical Engineering).