Jonathan Fung

(408) 680-3399 jonfung@berkeley.edu
linkedin.com/in/jonfung1 github.com/jonfung

Education

University of California, Berkeley GPA: 3.96 (4.0 EECS Department) 2016-2020

B.S Electrical Engineering and Computer Sciences
Regents' and Chancellors Scholarship Recipient (Top 2% of Incoming Class)

Coursework: Designing Information Devices and Systems 1/2, Data Structures, Multivariable Calculus, Discrete Mathematics and Probability Theory

Skills

Java Python MATLAB Lumerical FDTD

Experience

Trimian, Inc *Software Engineering Intern*	Developing graph based networking technology. Working with Javascript, Node, Angular, Parse Server, Neo4j Graph database.	May 2017 - Present
Stanford University Radiology Department Molecular Imaging Program *Research Intern*	Devised and conducted independent research project with self-assembling nanoparticles. Assisted with other lab group research projects. Assisted in the execution of a week long nanoparticle summer camp for visiting students.	2014-2016
MVHS Science, Technology, Engineering, and Math (STEM) Class *Teaching Assistant*	Served as student mentor, provided advice and guidance on research to students in the STEM class Taught and supervised class laboratory procedures.	2014-2015

Selected Research Publications and Projects

Team Project *CalHacks 3.0 Winner*	**Ethos**, Chrome extension that reports bias in news articles using IBM Watson, generates profiles of authors; tags Facebook articles with their objectivity scores	2016
Published Paper *Jonathan Fung* *Kai Cheng*	"Dual-Modal NIR-II Fluorescence and Photoacoustic Imaging of Thyroid Carcinoma Using EGFR-targeted Donor-Acceptor Chromophore Based Nanoprobes", **Journal of Nuclear Medicine.** http://bit.ly/2mBhSBp	2016
Independent Research Project	"Surface Specific Rationally Self-Assembling Au-Fe Oxide Nanoparticles: A Potential Multi-Modal Imaging Agent Platform for Early Tumor Diagnosis", http://bit.ly/2o4W9CW	2015
Independent Research Project	"Developing a diagnostic tool for Glioblastoma: Utilization of k-means and regression to identify target genes and genomic signatures from training datasets."	2014

Honors and Awards

Cal Hacks 3.0	Best Social Impact Hack	2016
Synopsys Championship	Synopsys Championship Outreach Foundation Grand N+1 Prize, Society of Vacumn Coaters Award, Honorable Mention – Regulated Research Institutions, Physical Sciences	2015
	Second Place Award - Bioinformatics	2014
	First Place Award – Biochemistry/Microbiology, Fair Manager's Graphic Design Award, Santa Clara County Biotech Education Partnership (SCCBEP) Honorable Mention	2013
California State Science Fair	First Place Award - Pharmacology/Toxicology	2013
Amgen Bay Area BioGENEius Challenge	Finalist	2015