JENNY LEE

BIOINFORMATICIAN & RESEARCHER
PROSPECTIVE GAME DEVELOPER
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Seeking interdisciplinary computational experience.
I value education & social good.

EDUCATION

B.Sc. Bioinformatics June 2018
University of California San Diego

TECH & CREATIVITY

- Html
- CSS
- Python
- UNIX
- Java
- Videos
- Visual Design
- Photoshop

LANGUAGES

- Fluent English
- Proficient Cantonese
- Conversational Mandarin

AWARDS (RESEARCH)

2017	McNair Research Scholarship
2016	Eureka! Research Scholarship
2015	iGEM Interlab Study - Gold

PRESENTATIONS (RESEARCH)

2017	American Chemical Society Undergraduate Conference
2016	Eureka! Scholar Reception
2016,2017	UC San Diego Undergraduate Conference (by nomination)
2016,2017	UCSD Summer Conference
2015	iGEM Project Presentation (La Jolla Riford Library)

<COMPLETED PROJECTS/>

Oct 2017 **RACCOONIES** – *SD Hacks 2017*
Educational Interactive Story Game. Teaches popular molecular biology research technique.

Mar 2017 **KUMAS** – *UC Health Hack 2017 FINALIST*
Web/Phone App. Collects dementia patient data.

Dec 2016 **TeREX** – *Bioinformatics Course Project*
Computational Tool. Identifies transposable elements.

Mar 2016 **EDUCATIONAL GAME** – *Java Course Project*
Educational Shooter Game Prototyle. Models *Drosophila* circadian molecular mechanism.

LEADERSHIP & ACTIVITIES

SYNBIO – *Synthetic Biology / Project Incubator*
May 2015 – Present. Co-founder & President (Current). Vice President. Outreach Chair.

THE BIOCLOCK STUDIO – *Educational Initiative*
Oct 2014 – Present. Produced educational multimedia on circadian biology. Pioneered online encyclopedia.

UNDERGRADUATES BIOINFORMATICS CLUB
Jun – Aug 2016. Web Development.

ACADEMIC EXPERIENCE I USE FOR IDEAS

SUSAN GOLDEN LAB **Oct 2015 – Present**

Mar 2017 Integrate circadian regulation and improve accuracy of *S. elongatus* metabolic model

Oct 2015 Research role of c-di-AMP in *S. elongatus*

iGEM INTERNATIONAL COMPETITION **May – Sept 2015**
Todd Coleman Lab. Assembled *E. coli* plasmid permutations for *S. cerevisiase* for synthetic biology competition. Contributed to worldwide study on fluorescent reproducibility.

RESEARCH PUBLICATIONS

- Rubin BE, Huynh TA, Welkie DG, Diamond S, Lowe LC, **Lee JJ**, Woodward JJ, Golden SS. (in press). Next-generation interaction screens illuminate role of c-di-AMP in Cyanobacterial nighttime survival. Proc Natl Acad Sci.
- Broddrick J, Rubin BE, Welkie DG, Du N, Mih N, Diamond S, **Lee JJ**, Golden SS, Palsson BO (2016). "Unique attributes of cyanobacterial metabolism revealed by improved genome-scale metabolic modeling and essential-gene analysis." Proc Natl Acad Sci, 113(51), 8344-53.
- Beal J, Haddock-Angelli T, Gershater M, Mora K, Lizarazo M, Hollenhorst J, Rettberg R, **iGEM Interlab Study Contributors** (2016). "Reproducibility of Fluorescent Expression from Engineered Biological Constructs in E. coli. PLoS ONE, 11(6).