

# IRENE DEA

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## EDUCATION

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### University of California, Berkeley

Cumulative GPA: 3.87/4.00

B.A. Computer Science and Bioengineering Minor, expected May 2018

Completed Coursework: General Chemistry | Organic Chemistry | Structure & Interpretations of Computer Programs | Discrete Math & Probability | Introductory Physics | Linear Algebra

In Progress: Data Structures | Designing Information Devices & Systems | Probability Theory

Awards/Honors: Dean's Honors, Fall 2014 | Edward Frank Kraft Award, Fall 2014 | Dean's Honors, Spring 2015

### San Diego Mesa College

Cumulative GPA: 4.00/4.00

Relevant Coursework: Analytic Geometry & Calculus

## EXPERIENCE

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### SPAWAR Systems Center Pacific — Research Intern

June 2015-August 2015

- Designed, built, and evaluated above-sediment anaerobic microbial fuel cell systems to be used in future mobile systems such as unmanned underwater vehicles or underwater charging stations.
- Calibrated pumping systems in order to optimize MFC power output via nutrient circulation.
- Designed and tested efficacy of various pumping and microbial metabolic stimulation methods.

### Anticancer, Inc. — Research Intern

June 2013-August 2013

- Conducted experimental anticancer drug trials, testing the efficacy of different cancer therapy methods.
- Aided mentors in the growing and harvesting of cancerous cells.
- Used both in vivo and in vitro imaging methods to study growth patterns of tumors.

### International Cottages, Balboa Park — Goodwill Ambassador

June 2011-August 2014

- Engaged in non-profit organization dedicated to furthering cooperation and understanding between national groups in the United States.
- Introduced guests to Chinese culture and calligraphy, wrote guests' names in Chinese.

## SKILLS

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**Languages:** Java, Python, HTML, CSS, Javascript

**Other:** Experience with Adobe Photoshop and Illustrator

## ACTIVITIES

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### Innovative Design, Tier Member

September 2015-present

- Provided design services to on-campus groups and organizations

### Cal Badminton Team

September 2014-present

- Competed against different college teams across California throughout the year, National Collegiate Champions

### OASES Mentor

February 2015-May 2015

- Volunteered as a student mentor for an after school program geared towards educational and social support for under-resourced youth in Oakland.