# **ILWON (ALBERT) SEO**

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## **EDUCATION**

## University of California, Berkeley

Berkeley, CA

#### B.A. in Computer Science, Applied Mathematics

Expected 05/2020

- Academics: Department GPA: 4.00/4.00 Cumulative GPA: 3.70/4.00
- Relevant Coursework: CS 61A (Python) Math 53 (Multivariable Calculus), Math 54 (Linear Algebra & Differential Equations)

Henry M. Gunn High School

Palo Alto, CA

06/2016

Class of 2016 Graduate

Academics: GPA: 3.94/4.00, ACT: 35/36

#### WORK EXPERIENCE

# Internal Drive Technology

Palo Alto, CA

05/2017-08/0217

- Game Design Instructor Created lesson plans, handouts and instructed classes of 8 students in game development and tech software.
  - Planned with team to provide fun activities and theme days, as well as provide excellent customer service to families
  - Consistently guided students through and past required curriculum and created additional projects for each student.

#### Sequoia Academy

Mountain View, CA

Math and Computer Science Teacher

06/2015 - 08/2015

- Taught middle school students math and introduced them to computer science based on a curriculum.
- Developed personalized curriculum to monitor progress and strengthen specific math skills to meet academic goals.

# LEADERSHIP & EXTRACURRICULAR ACTIVITIES

#### **Biofuels Technology Club**

Berkeley, CA

Filtrations Team

08/2016 - Present

- Designed procedures to filter waste cooking oil used in biofuel production for buses around Berkeley campus.
- Researched techniques and parts to build a small-scale prototype and conduct preliminary test runs.
- Collaborated with other teams and prepared to develop full scale process at USDA facility in Albany.
- Created a MATLAB program to model the temperature of a reactor between heating and cooling cycles.

## California Association of Student Councils (CASC)

Moraga, CA

Region Secretary/Treasurer, Counselor

08/2013 - 06/2016

- Lead and taught a group of students CASC material and structured activities during a three-day summer camp.
- Lead group closures to help students articulate what they learned from activities and how to apply it to their lives.
- Ensured accuracy in financials and keep accurate minutes of all meetings to keep all cabinet members up to date.

### Academy of Music and Arts for Special Education (AMASE)

Cupertino, CA 06/2012 - 06/2016

Violin Instructor

Taught and helped students with special needs perform music to express themselves.

- Performed together with students in orchestra concerts to build a supportive community.
- Organized volunteer events and activities outside of regular rehearsal meetings.

### AWARDS & HONORS

American Invitational Mathematics Exam Qualifier

02/2015

Science Department Award, Math Department Award

05/2016, 05/2015

3<sup>rd</sup> Place, Korean-American Scientists and Engineers Association Silicon Valley Physics Competition 05/2014

Presidential Service Award AMASE, OSF

05/2016, 12/2013

## SKILLS & INTERESTS

- Music: Played violin in chamber, orchestra and symphonic setting, and at an international clinic with Gunn HS.
- Languages: Fluent in speaking Korean, basic Japanese.
- Technical: Experience in Python, Java, MATLAB, LaTeX
- **Other:** Peanut Butter, Hamilton, and Photography.