Sean Lobo

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Education

Aug 2015 – Present
University of California, Berkeley
Berkeley, California

- Regents and Chancellors Scholar
- Pursuing a B.S. in Electrical Engineering and Computer Science
- Expected graduation May 2019

Aug 2011 – Jun 2015
Del Norte High School
San Diego

- Graduated with Honors, among top 5% of class
- Organized and led numerous on campus clubs

Work Experience

Jun 2014 – Aug 2014
J. Craig Venter Institute Internship

- Designed curricula for high school students in the field of Computational Biology
- Implemented algorithms that illustrated concepts such as recursion and dynamic programming, using python
- Taught concepts leading up to an efficient DNA Alignment, through smaller problems such as longest common substring

Research

Sep 2015 – Present
L.B. Stanza development

- Worked with UC Berkeley Graduate Student Patrick Li under Professor Jonathan Bachrach to develop a new functional programming language “L. B. Stanza”
- Implemented benchmarks and provided feedback on developer documentation
- Collaborated in creation of language’s website

Extracurricular Activities

Aug 2015 – Present
Open Computing Facility (OCF)

- Help run and manage computer lab

Jan 2008 – Jun 2015
Boy Scouts of America
- Eagle Scout

- Achieved rank of Eagle Scout, with over 100 hours on eagle project
- Active member for 6 years

Aug 2008 – Jun 2015
Science Olympiad
- President
- Previous Vice President

- Grew club to over 90 members
- Managed over $5,000 in budget annually
- Achieved school record of 4th place at San Diego Regional Competition, and 10th in California State.
- Personally ranked highly in numerous events at both Regional and State levels

Aug 2012 – Jun 2015
Science Alliance Club
- President

- Created tutoring infrastructure at school for struggling students in all science courses
- Enabled gifted students to further skills and interested in courses through Biology, Chemistry, Physics and Computer