

# ALEX DUNN

UCLA Undergraduate Student, Chemical Engineering  
540 Midvale Ave. Apt 409, Los Angeles CA 90024  
530-588-3812 alex.dunn@engineering.ucla.edu

## OBJECTIVE

---

To gain valuable experience in an impactful cutting edge biomedical research area using aspects of materials science as well as chemical and electrical engineering.

## EDUCATION

---

### University of California, Los Angeles (current)

- GPA: 3.822 (see attached transcript)
- In progress (F2015):
  - Chemistry 30B
  - Chemical Engineering 109
  - Chemical Engineering 100
  - Chemical Engineering 101A

### University of Wisconsin, Madison (Extension)

- (2012) Calculus and Analytic Geometry III: A [5 unit]

### Stanford Education Program for Gifted Youth

- (2013) Linear Algebra: A
- (2014) Physics – Electromagnetism: B+

### University of California, Berkeley (Extension)

- (2014) C++ Programming I: A [3 unit]
- (2015) Introduction to Biology: In Progress [5 unit]

## EXPERIENCE AND LEADERSHIP

---

### Outside Academia

- (2015) UHealth Perioperative App Development: Lead UX Designer
- (2015) Music Nest (music startup for impromptu venue scheduling): Senior Technical Consultant and Designer
- (2014) Kuk Sool Won Black Belt and Volunteer Instructor
- (2013) Farmhand working with farm implements and related mechanical equipment

### Nevada Union High School

- (2013) S.T.E.M. Club: member, built quadrotor
- (2012-2014) Technology and Business Club: Cofounder and Member
- (2014) KEY Club: Vice President
- (2013-2014) Bilingual Tutoring Program: Vice President
- (2012) TA for Middle School Physics Camp
- (2014) La Sociedad Honoraria Hispanica: Treasurer

## SKILLS

---

### General

- Undergraduate level Chemistry Lab Skills including chromatography, sublimation recrystallization, organic syntheses, and mass, UV-Vis, NMR, and IR spectra analysis.
- Technical writing
- Small Animal Care (rodents, rabbits, reptiles)
- Intermediate Fluency w/ Spanish (reading and listening, some speaking)
- Creative, Personable, Quick Learner

### Software and Computers

- Proficient with: MATLAB, Balsamiq (UX Mockups), Word, Excel, Adobe Photoshop, Adobe Muse, Adobe Lightroom, Brackets, LaTek
- Experience with C++, Lua, HTML, CSS, some Javascript
- Familiarity with AutoCAD, Solidworks, 3D printing technology
- Strong computer literacy

## HONORS/OTHER

---

- UCLA Tau Beta Pi (Engineering Honor Society) initiate (current initiation quarter)
- Sole inventor of Electropneumatic Trailer Stabilizer patent application (U.S. 14/055,729)
- National AP Scholar With Distinction
- Nevada County Hackathon Most Creative Winner, part of team (2012)
- Nevada Union High School Class Rank: 1/550 (Graduated 2014)
- Edward & Doris Rhoad Scholarship Recipient
- Northern California Youth Leadership Conference – sole school representative/recipient (2013)
- Selected for Regent's and Chancellor's Scholarship at UC Berkeley (2014)
- Member of AIChE (American Institute of Chemical Engineers) and Bruin Entrepreneurs