Greg Albano

Leadership · Curiosity · Drive

4342 Oakwood Ave, La Cañada, CA 91011

(213) 880 - 7781 | gva4@cornell.edu | gregalbano.github.io | https://www.linkedin.com/in/gregalbano/

Cornell University · Class of 2019 *Ithaca, NY : 2015 - Present*

Biological Engineering ***GPA : 3.8 / 4***

Tools :
- Modeling Software: COMSOL, ANSYS, Fusion 360
- Coding Languages: Python, R, MATLAB, HTML, CSS, LaTeX
- Design Software: Adobe Illustrator, Photoshop

Experience

Team Lead, Cornell iGEM *December 2016 - Present*

- Leveraged **$35,000 budget** to complete project, retaining $5,000 for capital investments and promotion of future growth.
- Led team of 31 engineers to gold medal and an award for **"Best Supporting Entrepreneurship"** at international competition (previous year's team earned a silver medal and no special track awards.)
- Retained 7/8 members of the leadership team versus 2/8 in the previous year, leaving the team well positioned for future success. The one who left went on to lead another project team.

R&D Intern, Procter and Gamble *June 2018 - August 2018*

- Developed manufacturing strategy for changes on a multi-million dollar product line as a process engineer.
- **Developed a web app** to deploy modeling resources to collaborators on related projects.
- Utilized statistical and deterministic modeling to eliminate two infeasible equipment configurations, **saving over $8000 and 14 days of testing** per iteration.

Teaching Assistant, Engineering Thermodynamics *Fall 2017*

- Led section for 20 students to explore topics not discussed in lecture, and held office hours to assist with homework and exams.
- Authored homework assignment and solutions.

Projects

On Campus Research: Cell Free Protein Expression *Fall 2016 - Present*

- Utilized mathematical modeling to optimize geometry of a DNA based hydrogel for protein manufacturing applications.
- 3D printed micron scale models of bioreactor designs for experimental validation of modeling results.
- Plan to publish by May 2019.

Design Project: Counter Current Exchange *Spring, 2018*

- Utilized finite element method modeling to evaluate the relevant factors in determining blood vessel location in human extremities, with respect to heat retention.
- **Published paper** detailing the trade-off between insulation and counter current heat conservation, as a function of vessel depth.

Service

Food Forward *2013 - Present*

- Began by donating unsold produce from my own stand at the farmers market to local food shelters.
- Identified an opportunity to expand impact by organizing teams of volunteers to pick, pack, and deliver experimental fruit from local orchards to food banks.
- Facilitated the donation of over 1200 lbs of fresh, local produce to food shelters.

Clubs and Personal Interests

- **Social Director: Alpha Epsilon**, Biological Engineering Honors Fraternity
- Baseball Team Captain, La Cañada High School
- Avid rock climber, amateur chef, and social chair of the Cornell Chess Club