

DANA LYNN LANSIGAN

Phone: (949) 381-8414
Email: dlansigan@berkeley.edu
LinkedIn: <https://www.linkedin.com/in/dlansigan>
Website: <http://dlansigan.altervista.org/resume.html>

EDUCATION

- University of California, Berkeley** — Berkeley, CA — GPA 3.91 *May 2019*
♦ Pursuing Bachelor of Science in Mechanical Engineering
- Irvine High School** — Irvine, CA — GPA 4.58 *June 2015*
♦ Ranked in top 9% of class of 400

TECHNICAL SKILLS

- ♦ Skilled in AutoCAD, SolidWorks
- ♦ Self-taught in HTML, CSS, jQuery, BASIC, C, and Java
- ♦ Experienced in MATLAB

COURSEWORK

- ♦ E 25 Visualization for Design and AutoCAD
- ♦ E 26 SolidWorks (planned)
- ♦ E 27 Manufacturing and Tolerancing
- ♦ E 7 Matlab
- ♦ CS 61A Python (planned)

LAB EXPERIENCE

- Undergraduate Researcher** *February 2016 - present*
Design for Nanomanufacturing Lab, University of California Berkeley
♦ Prepared semiconductor chip samples and stamps using a spin coater and UV aligner
♦ Collected video data for nanoimprint lithography research using Matlab and Thorlabs components

ACTIVITIES

- Co-Empenage Lead, Internal Affairs** *September 2015 - present*
Aero Design Society of Automotive Engineers (SAE)
♦ Modeled empenage designs with SolidWorks
♦ Employed woodworking skills to construct model airplane for competition
♦ Designed and coded professional team website
- Engineering Representative Intern** *September 2015 - present*
Pilipino Association of Scientists, Architects, and Engineers (PASAE)
♦ Assisted in assembling monthly engineering newsletter for organization
♦ Facilitated academic and cultural workshops for high school students during Filipino Empowerment Day and Senior Weekend

PROJECTS

- CalCase** *May 2016*
♦ Designed and manufactured a phone case that holds a credit card, an ID card, and a key ring
♦ Modeled with SolidWorks and 3D printed with Stratasys Objet printer
♦ Applied tolerances for desired fits derived from machinist's handbooks
♦ Worked with teammates to optimize design and manufacturing process
- Band Transitions** *April 2016*
♦ Collaborated with teammates to conceive an algorithm that optimizes marching band transitions
♦ Implemented using Matlab
- Space Travel** *Summer 2015 - present*
♦ Used Java to develop original 2D puzzle-adventure game
♦ Designed game art with Adobe Photoshop

AWARDS & HONORS

- Banatao Scholar, Asian Pacific Fund** *April 2015*
♦ Yearly scholarship awarded to five outstanding Filipino-American students pursuing STEM degrees
- UC Berkeley College of Engineering Dean's Honors List** *Fall 2016*
♦ Academic honor awarded to engineering students with a GPA in the top 10% of undergraduates in the College of Engineering