

## **Andre Pereira Bojikian**

1111 J Street S25 • Davis, CA 95616 • 530-760-6006 • [abojikian@ucdavis.edu](mailto:abojikian@ucdavis.edu)

### **EDUCATION**

- BS in Mechanical Engineering, University of California, Davis
- Expected graduation: June, 2019 (Junior)
- GPA: 3.39

### **RELEVANT COURSEWORK**

- Calculus (completed)
- Physics (all introductory physics courses completed)
- Mechanical Engineering lower division courses
  - Statics, properties of materials, manufacturing materials, circuits
- Mechanical Engineering upper division courses
  - Dynamics, thermodynamics, fluid mechanics, upper division circuits

### **TECHNICAL SKILLS**

- Computer programming/CAD and CAM
  - Python, MATLAB, SolidWorks, Esprit
- Familiar with basic mechanic shop machine operations such as milling, drilling, and lathe cutting

### **LANGUAGES**

- Fully fluent both orally and written in English and Portuguese

### **EXPERIENCE**

- Teacher assistant in the physics department at UC Davis for an introductory astronomy class
  - TA for AST 10L which consists of night sky observation lab sessions
  - Help setup telescopes and assist students in completing the lab activities

### **ACTIVITIES/LEADERSHIP**

- Volunteer as a math tutor for kids in a nonprofit organization located in an impoverished community in south São Paulo, Brazil
  - Tutoring kids ranging from 8 to 15 years old with basic mathematical operations such as addition, subtraction, multiplication, division, and pre-algebra
- Treasurer and team captain of the Taekwondo club at UC Davis
  - Managing the club's budget, as well as any financial transaction, and provide leadership to the group as a team captain
- Taekwondo instructor
  - Leading group workouts, as well as teaching Taekwondo classes when needed

### **PROJECTS/ACCOMPLISHMENTS**

- Build a gyroscope and a totem piece from scratch using raw aluminum and steel
  - Built both projects in a mechanical shop using lathes, mills, and drill presses, as well as CAD platforms and CNC machines
- Qualified for the Dean's Honor List for Fall Quarter 2015 and Spring Quarter 2017
- Bronze medal at National Collegiate Taekwondo Championships 2017