

# **Tate Rowney:**

## **Résumé**

### **Formal Education:**

- University of California Berkeley:  
Pre-College Scholars program
  - Took accelerated version of U.C. Berkeley's Math N54 (Linear Algebra and Differential Equations), a class intended for college mathematics students.
- University of California Santa Cruz:  
"COSMOS" Program
  - A summer program for high school students intended to further learning outside of the normal scope of high school curriculum.
  - Studied Feedback Control with Applications to Robotics (Cluster 11)
- The Bay School of San Francisco
- San Francisco Waldorf Elementary and Middle School

## **Skills:**

- Significant programming experience in: **Python, Arduino-C++**, as well as some experience with **Java, HTML, Node.js**
  - Programs significantly as a hobby
  - Projects include an experimental feedforward neural network, a re-creation of the popular game "Wordle", a 3d renderer built from scratch, and a simple version of the R.S.A. encryption algorithm.
- Possibly relevant course credits:
  - Calculus
  - Linear Algebra and Differential Equations (see above)
  - Computer Science (currently enrolled)
  - Feedback Control with Applications to Robotics (see above)
  - Statistics (currently enrolled)
  - Data Science (enrolled for 2023)

## **Leadership Opportunities:**

- Bay School's "MARMOT" student group
  - A student leadership group focused on fixing, operating, and educating about technology at the Bay School
  - Additionally becomes a part-time job during the summer
  - Stands for: **M**agnanimous **A**ssistants **R**epairing **M**alfunctioning **O**ffice **T**echnology
- Currently leading Bay School's Math Club
  - I have discovered the hard way that running a club is similar to herding cats

## **Work Opportunities**

- "MARMOT" student group
  - A part-time job during the summertime
  - Assisting the Bay School's IT department in repairing and preparing the school for the coming year