

# Jacob Vander Griend

San Diego, CA, 92128  
(858) 248-7199

[jakevandergriend@gmail.com](mailto:jakevandergriend@gmail.com)

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## Education

### Microbiology Major

Senior-level student, San Diego State University  
Dean's List – Overall GPA: 3.94

May 2019

## Relevant Coursework

Chemistry 232: Organic Chemistry

- Studied the properties of organic molecules, and methods of organic synthesis

Chemistry 232 L: Organic Chemistry Lab

- Demonstrated competency in conducting SN2 and E1 Organic synthesis
- Utilized Recrystallization, Reflux, Simple Distillation, and Acid/Neutral Extraction

Chemistry 201: General Chemistry

- Conducted basic solution and buffer preparation
- Practiced basic Spectrophotometer and Centrifuge techniques

Biology 203 & 203 L: Principles of Molecular Biology Laboratory

- Studied the basics of molecular biology, with an introduction to practical lab techniques such as Gel Electrophoresis, PCR, Transformation of *E.coli*, and the use of restriction enzymes
- Wrote extensive lab reports focused on analyzing the results of each experiment.

## Work Experience

San Diego State University

June 2017-Present

### Undergraduate Research Volunteer – Supervisors: Forest Rohwer, Linda Wegley-Kelly

- Conducting research on T4 Phage interactions with Mucin

Sprouts Farmers Market

February 2016 – September 2016

### Cashier

- Entrusted with day-to-day customer financial services

### Courtesy Clerk

- Responsible for overall store organization and maintenance
- Communicated with several departments to resolve issues as needed
- Promoted to Cashier based on my work ethic

## Other Relevant Qualifications and Skills

- Experienced with Dilution Ratios and Molarity calculations
- Proficient at quickly writing reports
- Knowledgeable with Microsoft Office Products
- Knowledgeable with general computer operations
- Efficient in the use of online research tools
- Member of The National Society of Collegiate Scholars