

Jane Summer  
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## Education

Naperville Central High School  
Graduated May 2015  
GPA: 3.74

North Central College, Naperville, IL  
B.S Biology anticipated graduation Sp'19  
GPA: 3.3

### Relevant coursework:

Introductory Biology	General Chemistry	Calculus I, II
Genes and Evolution	Cells and Systems	

## Research Experience and skills

*Genes and Evolution lab* *Fall 2016*  
Designed primers to PCR a region of the HisD gene in *Salmonella typhimurium* and analyzed sequence results to identify the mutation(s) caused by the potential mutation Aspartame.

Generated a recombinant plasmid expressing a GFP reporter for the *E. coli* gene PCM using restriction endonucleases, gel electrophoresis and DNA purification, DNA ligation, and bacterial transformation.

*Summer Undergraduate Research Assistant* *Summer 2016*  
Spent 8 weeks during the summer investigating the role of actin bundling proteins in the creation of embryonic denticles in *Drosophila melanogaster*. Examined embryos of different genotypes with phase contrast microscopy and used SPSS to run one way ANOVA and Tukey Posthoc tests to determine difference in denticle size.

## Work Experience

Biology lab teaching assistant, North Central College	Fall 2016
Editor, Naperville Central High School Newspaper	2014-2015

## References

Dr. Stephen Johnston [sdjohnston@noctrl.edu](mailto:sdjohnston@noctrl.edu)  
Dr. Nancy Peterson [nlpeterson@noctrl.edu](mailto:nlpeterson@noctrl.edu)  
Dr. Jennifer Sallee [jlsallee@noctrl.edu](mailto:jlsallee@noctrl.edu)