


Brandy Corwin

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 <https://github.com/Brandy-Corwin>  <https://brandy-corwin.github.io/>

Education

University of Wisconsin – Eau Claire

B.S. Bioinformatics and Minor in Computer Science with honors, anticipated graduation May 2025

- Current GPA: 3.83
- Relevant coursework: Genetics, Data Structures and Algorithms in Bioinformatics, Applied Bioinformatics I/II, Epidemiology, Math through Calculus III, Discrete Math, and Machine Learning

Research Experience

University of Wisconsin – Eau Claire – *Research Assistant for Dr. Mitchell*

JUNE 2024 - CURRENT

- Applying bioinformatics algorithms such as ipyrad and Treemix to detect introgression in sunflowers
- Creating phylogenetic trees for South African protea by using RAXML and ASTRAL algorithms

University of Wisconsin – Eau Claire – *Course-Based Undergraduate Research*

SEPTEMBER 2024 - CURRENT

- Analyzing and reproducing a published RNA-seq dataset on lemons
- Analyzing unpublished RNA-seq data from *Schistosoma mansoni*

AbbVie, Lake County— *Summer Worker*

MAY 2022 - AUGUST 2022

- Used R to build a calculation program for Chemistry department
- Made program into website using RShiny

Work Experience

Doheny's, Pleasant Prairie — *Warehouse Picker and Packer*

MAY 2023 - AUGUST 2023

- Picked and packaged orders appropriately
- Labeled orders

The North Face, Pleasant Prairie— *Sales Associate*

AUGUST 2019 - AUGUST 2021

- Assisted customers
- Worked on cash register

Skills

Lab experience

- PCR, gel electrophoresis, IR, TLC

Computer experience

- Proficient in R, java, python, C, Linux and SQL
- Knowledge of bioinformatics algorithms such as hidden Markov models.
- Proficient in Microsoft Office

Soft Skills

- Problem solving in a fast-paced environment
- Attention to detail
- Independent and teamwork
- Fast Learner
- Good work ethic