

# Kambria Rogalski

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## EDUCATION

University of Delaware

Newark, DE

Bachelor of Arts, Biological Sciences

Minor in Computer Science and French

GPA 3.61 | Honors/Awards: Dean's List Fall 2019-2022; Spring 2019 & 2022

Graduated May 2023

## SKILLS

- Proficient in Python, Matlab, Java, Unix, C, C++, Assembly language, CSS/HTML, and JavaScript.
- Data analysis and statistics
- Experimental design
- Computer/technical skills
- Organization
- Microsoft Word, Microsoft Excel, Microsoft PowerPoint
- JMP statistical software
- Thonny, IntelliJ, Eclipse
- Adaptability
- Web development
- Quality Control
- Teamwork
- Scientific documentation
- Project Management
- Labwork
- Fieldwork
- Attention to detail
- Proficient in reading, writing, and speaking in French.

## EXPERIENCE-RELEVANT COURSEWORK

*Science:* Cell Biology, Organic Chemistry I & II, Microbiology, Genetics, Language of Medicine, Molecular Biology, Experimental Microbiology, Developmental Neurobiology, Anatomy I & II.

*Computer Science:* Introduction to Computer Science I & II, Systems Programming, Data Structures, Machine Organization and Assembly Language.

*Mathematics:* Calculus I, Statistics, Introductory Physics I & II.

*Social Science:* Psychology, Abnormal Psychology

## WORK EXPERIENCE & PROJECTS

### Department of Computer Science, University of Delaware

#### Independent Study

February 2023 - May 2023

- Collaborating with a professor to create a tower defense video game that educates about the principles of biology involved in the immune system defense.
- Programming in JavaScript to create towers, enemies, power-ups, etc. that replicate the processes involved when the body becomes infected such as vaccines, superbugs, bacteria/parasites/viruses, etc.
- Use of HTML and other graphics software to develop a unique design for the video game.

#### Undergraduate Teaching Assistant

August 2022 - December 2022

- Supervise lab of approximately 20 students by assisting with programming assignments using Python.
- Hold weekly office hours to provide one-on-one support for students with questions, attending practicum to assist during lectures, and monitor the class Discord by providing timely responses to student questions.
- Collaborate with the professor and course staff to grade assignments for students.

### HenHacks Hackathon, University of Delaware

#### 1st-place winner for Best Community Hack (Sponsored by M&T)

February 23-24, 2023

- A beginner-friendly hackathon hosted on the University of Delaware's campus that over 100 students competed in with different categories.
- Collaborated with a diverse team of students, each possessing unique levels of programming experience to create a project that benefits and connects individuals around the UD campus or local community.
- Applied technical expertise and programming knowledge to develop a cutting-edge solution (Typescript, React, VSCode, Chakra, and Canva).
- Successfully built a website called 'HAKSafety' that works with the University of Delaware Alerts System and UDPD to offer a virtual version of the "Blue Light System" with a mobile Blue Button. The alerts are also modified from the original system to include off-campus events and some level of solutions.

**Rock Spring Veterinary Clinic***Veterinary Intern*

- Observing and assisting in animal healthcare to develop a medical innovation that improves the environment and performance in Veterinary Medicine.

**December 2018 -  
March 2019****PLTW Biomedical Sciences Program***Student*

- Design and conduct experiments relating to the diagnosis, treatment, and prevention of disease or illness. Engage in a Senior Capstone to design a medical innovation to improve performance in the medical field.
- Apply knowledge and skills to answer questions or solve problems relating to the biomedical sciences by participating in internships.

**August 2015 -  
May 2019****4-H Foundation***Youth Director/Camp Counselor*

- Responsible for the operation of the 4-H camp program and oversight of teen counselors.
- Applies basic youth development principles in collaborating with counselors and campers through communication, relationship development, respect for diversity, involvement, and empowerment of youth.
- Keep all campers and staff safe by following all Risk Management procedures.

**June 2015 - July  
2019****HONORS & ACTIVITIES**

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**Pi Delta Phi French Honor Society***Member*

- The oldest national academic honor society for a foreign language in the United States.
- Recognize outstanding scholarship in the French language and Francophone literatures, increases the knowledge and appreciation of Americans for the cultural contributions of the French-speaking world, and encourages and stimulates French and francophone cultural activities
- Must have a French course GPA of 3.5 or above.

**April 2023 -  
Present****Tri-Beta Biological Honor Society***Member*

- An honor society for students dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research.
- 3.0 GPA requirement for both the overall and Biology GPA

**April 2023 -  
Present****Alpha Phi Omega National Service Fraternity***Brother*

- Engage in numerous service opportunities in-person and virtually for our B+ hero, UDance, and the community.

**November 2020  
- Present****Marching Band***Staff/Member*

- Drum Major in high school to collaborate with other members to demonstrate leadership and dedication.
- Continued participation and role as Rank Leader in the Fightin' Blue Hen Marching Band.
- Plan on auditioning for the NFL Marching Raven's for 2024.

**August 2016 -  
Present**