

William Owens

wowens@ufl.edu • github.com/xeranimus • https://cise.ufl.edu/~wowens

EDUCATION

B.S. in Microbiology and B.S. in Computer Science

Both Expected May 2020

University of Florida, Gainesville, FL.

Current GPA: 4.00 / 4.00

Relevant coursework:

- Biochemistry, Molecular Genetics, Molecular Bioinformatics, Synthetic Biology
- Operating Systems, Digital Logic, Data Structures and Algorithms, Linear Algebra, Calculus III

RESEARCH EXPERIENCE

Lab Assistant, Kladde Laboratory, University of Florida

May 2018 – Present

- Processed data for all other lab members on HiPerGator 2.0, UF's supercomputer
- Generated high-resolution maps of the epigenome and highlighted potential cancer biomarkers
- Tested and implemented published software and contributed to UF ICBR pipelines

Team Member, iGEM Team UFlorida

Oct. 2017 – Oct. 2018

- Designed and implemented the first successful *E. Coli* butyrate pathway in iGEM history
- Won a silver medal from this prestigious synthetic biology competition, a first for our university

Lab Assistant, Bass Laboratory, Florida State University

May 2017 – Aug. 2017

- Contributed to development of a program to search for potential G4 DNA sequences *in silico*
- Developed a library of scripts to quickly process FASTA files, BED files, and other genomic data

LEADERSHIP EXPERIENCE

Supplemental Instruction Leader, Organic Chemistry, University of Florida

Aug. 2018 – present

- Delivered lecture-style exam reviews to hundreds of students
- Led other teaching assistants and developed comprehensive exams for Dr. Jason Portmess

President, UF Open Source Club

Mar. 2018 – present

- Led student organization dedicated to developing open source software for the community
- Increased member involvement and oversaw work on 4 concurrent programming projects

VOLUNTEERING EXPERIENCE

Volunteer, Second Harvest of Middle Tennessee

Mar. 2017

- Joined Florida Alternative Breaks to process thousands of pounds of food over spring break

Eagle Scout, Boy Scouts of America

Mar. 2009 - May 2016

- Designed and constructed a large, safe children's playground to give back to community

AWARDS

Nominee, Goldwater Scholarship, University of Florida

Dec. 2018

Scholar, University Scholars Program, University of Florida

Mar. 2018

Member, UF Honors College

Mar. 2017 – present

Recipient, BASF National Merit Scholarship

Apr. 2016

SKILLS

Proficient with Python, C++, Bash/AWK, and *NIX Systems

Familiar with SQL, Rust, Java, C, HTML/CSS/JS, and Latin