

Thomas Davis

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EDUCATION

University of Connecticut, Storrs, CT

Bachelor of Science, Molecular and Cellular Biology, May 2019

Double Minor: Computer Science, Bioinformatics

GPA: 3.977/4.000

Honors and Awards: Honors Scholar, \$40,000 STEM Scholarship, \$4,000 Summer Undergraduate Research Grant, National Merit Scholarship finalist, 2016 and 2017 Babbage Scholar, Dean's list

Honors Thesis: *Tumor Immune Interaction in BRCA1/2 Carriers*

SKILLS

Programming Languages:

Most familiar with: Python, R

Some familiarity with: Bash, MATLAB, SQL, C, C++

Software/tools/IDEs:

Excel, SAS, git, vim, Rstudio, R shiny

WORK EXPERIENCE

University of Connecticut, Storrs, CT

Computational Biology Undergraduate Researcher, January 2018-Present, under Dr. Sheida Nabavi

- Integrated heterogeneous data, using Python and R, to study tumor-immune interaction as a member of a cross functional team
- Improved Python and Bash pipeline for simulating tumor genome sequences, increasing simulation speed fifty-fold while also improving tool flexibility

National Institutes of Health, Bethesda, MD

Summer Intern, May 2017-August 2017, under Dr. Alan Kimmel

- Designed and implemented project on immune cell motility and chemotaxis, which was presented at the NIH Summer Poster Day and UConn Exceptional Internship Showcase

University of Connecticut, Storrs, CT

Laboratory Undergraduate Researcher, October 2015-August 2017, under Dr. James Cole

- Analyzed the innate immune system by applying a variety of biophysical techniques to study how the immune system fights viruses

Environment Connecticut, Hartford, CT

Summer Field Manager, May 2016-July 2016

- Managed team of six canvassers to generate tens of thousands of dollars for nonprofit
- Trained and oriented new staff to company's best practices, providing feedback and guidance

References available on request