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