

Zaira Rivera

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PROJECTS

RNA Sequencing — *Spring 2019*

January 2019 - May 2019

Formatted DNA files taken from USC using Python and pipelined masked files to find genes in patient sample files. Then used Bowtie to analyze and R to map the genes of the patients.

ESNS — *Spring 2018 thru Fall 2018*

January 2018 - December 2018

Created a website that can help locate an active shooter on campus at Fresno State. Used a mix of Scrum and XP programming in the process of creating the website. Led a team of 5 to create, design and code a website. The following is up and live and can be found here: <https://esns.life/>

Nonogram — *Fall 2018*

August 2018 - December 2018

Created an online nanogram game where the user can choose between arcade and challenge mode. Used a mix of HTML, CSS, JS and PHP as well as SQL for a user database.

EDUCATION

California State University Fresno — *B.S. Computer Science*

Fall 2016- Spring 2019

WORK EXPERIENCE

Thrive Academics — *Math Tutor*

Fall 2015-present

Tutor various subjects, including basic math up, Algebra, Algebra II, Trigonometry and Calculus I. Also tutored other subjects like US History, Biology, Physics, Spanish and Chemistry.

REFERENCES

Available upon request

TOOLS

Microsoft Visual Studio Code,
Microsoft Visual Studio,
Bowtie Analysis, GitHub

LANGUAGES

Python, HTML, R, CSS,
JavaScript, PHP, C++, C#

OPERATING SYSTEM

Windows, LINUX

DATABASE

MySQL