Grant Fisher
Raleigh, NC
Personal Website: Frogstrap.com

grant@frogstrap.com | grantefisher@gmail.com

<u>Individual Study & Projects</u>

His Master's Voice (Game)
2021

I began programming a two-dimensional game written in C++ and OpenGL/SDL, using no game engine. *His Master's Voice* is a movement-based environmental puzzle game, where the user controls a character in a volcanic environment.
The planned completion date is December 2021, with plans to release for Windows on Steam and itch.io early 2022. The source is currently publicly available on my GitHub, linked to from my website, frogstrap.com.

Globoid Cell Leukodystrophy Research
2018 to 2020

My research into Globoid Cell Leukodystrophy (GLD; or Krabbe's Disease) began as I was looking into various neglected and under researched rare diseases that could be candidates for pharmaceutical companies. I performed a thorough analysis of the related literature on PubMed including: analysis of pre-clinical trials, analysis of case studies and disease descriptions, genetics of the disease, finding KOL's, and analysis of similar leukodystrophies and lysosomal storage disorders.
After roughly two years of near constant reading of the literature, I decided the most effective, logical MOA was gene-therapy via AAV.
I wrote my college admissions essay on the same topic, proposing AAV gene therapy for the treatment of the disorder, and shared the story of a patient, Judson, who inspired me to research this disease; who personified, and made real, this disease.

Hyper Rare Disease Commercialization Research
2018 to 2020

While extremely deep into my research in GLD, I became quickly disheartened when I realized this patient population had almost no chance of having a drug developed or commercialized for their disease. After this I began to research methods of commercialization when considering the financial outlook of therapies for rare diseases. I realized that for GLD, with only some 20 patients in the United States, and other diseases like it (what I call Hyper-Rare Disease), the only *real* way for drugs to be commercialized is to charge insurance (comparatively) *expensive* drug prices for said therapies so that companies may recoup some profit on top of their

expenses. The other possibilities considered were very large and unlikely government incentives and subsidies.

At the time, I compiled my research into a commentary-style paper. This paper has not been published, but can be read on my website.

Investing, Corporate Finance, and the Pharmaceutical Industry
2016 to 2020

I studied corporate finance and investing by reading textbooks, analyzing financials, and other relevant literature. After some time, I began investing in pharmaceutical companies based on my analysis of their drugs, clinical trials, and predicted FDA outcomes.

Redi Systems
2017 to 2018

Sometime in 2017, after engrossing myself in the researching of pharmaceuticals and pharmaceutical companies, I became irritated with the slowness of the all-over-the-place process necessary for said research; gathering clinical trial data, preclinical data, financial data, regulatory data, data for similar drugs, and relevant literature.

I set about making a solution to this problem; to make the process easier. I did this by first establishing all of the necessary data points, finding possible data sources, and planning out the infrastructure.

After roughly one month of development, I had a working prototype that allowed a user to input a generic or brand name drug, or an indication, or an investigative drug, and was able to return clinical trial data, relevant literature from PubMed, approved indications and other relevant data from FDA, as well as the chemical properties and structure from ChemSpider.

At the time, and after much consideration, I decided to scrap the project due to my belief that the benefit was only marginal when compared to the current solutions (namely, just the source websites for the data which I was gathering), and that because of this, it would not be worth it, for most, to pay a subscription fee.

The now defunct Redi Systems provided me with ample learning opportunities. I gained invaluable experience in founding companies, programming complex systems, launching a product, the pharmaceutical industry and the investing that surrounds and maintains it.

Professional Experience

Programming Instructor
2019 to Current

Assisted students in person and remote, providing my own, personalized curriculum, individually curated to the over 50 students that I worked with. I taught students aged 5 to 21, from the basics and fundamentals of programming and computer science to advanced data structures and algorithms, from simple languages like Scratch, to languages like C++.

Personal Portfolio Website
2021

To express my ability to create, develop, host, and maintain websites along with a few other personal projects, I created a personal portfolio website. After several design iterations, I published the website at frogstrap.com. The website uses HTML, CSS, and JavaScript with Bootstrap. The entire source is available on my GitHub.

Data Entry and Website Work (Contract)
2019

As part of a five month contract, I created, developed and maintained the website of a psychologist's private practice (web address: ncpchelp.com). The website was made under the direct supervision of and to the exact specifications of Dr. Hernandez, as such, there were a lot of limits imposed on my work (had I been given control of the project, the website would have turned out very differently). Along with providing routine website maintenance, outlining the firm's services and developing an electronic payment platform for ease of access, I also updated records of financial transactions, maintaining company books on a weekly basis.

Food Services
2018 to 2020

Through two jobs in food services, I provided team assistance and excellent customer service in a fast-paced environment. I was also tasked with training new hires, taking inventory for new orders, and opening and closing the stores.