

Greg Danko | Full Stack Software Engineer

San Francisco, CA | (610)739-0081 | gregdanko92@gmail.com
www.linkedin.com/in/greg-danko-036514b7/ | www.github.com/gregdanko92

About Me

I am a front end software engineer with a background in neuroscience. As an engineer, I am able to traverse the MERN stack with full confidence, while my scientific background has afforded me with strong critical thinking skills, the ability to comfortably collaborate across teams and projects, and to design solutions to problems that scale for the future. Now, I am looking to continue building my cadre of skills, while contributing in an agile engineering environment.

Skills and Competencies

Languages - Javascript, Python, Typescript, HTML5, CSS3 | **Libraries and Frameworks** - React, Node, Express, Matplotlib, Pandas, NumPy, Bootstrap

Database - PostgreSQL, SQL, MongoDB, Mongoose | **Other** - RESTful design, MVC convention, Git/Github

Software Development Projects

freELN - MERN stack application that allows user to create and maintain an electronic lab notebook September 2021
HTML, CSS, React, Node, Express, Mongoose, MongoDB, Git/Github

- Users are able to create experimental directories to store experiments within those project directories to keep their data and experimental protocols organized
- Engineered client side using HTML and CSS, and React.js
- Engineered the server side using Node.js, Express.js, and MongoDB using MVC and REST conventions
- Deployed publicly using Heroku

MOVIO - Full stack application that allows users to create movie watchlists August 2021
HTML, CSS, Bootstrap, Node, Express, Mongoose, MongoDB, Git/Github

- Users are able to search for films and receive in turn details about a title, where that film is currently streaming, and a list of recommendations for that specific title
- Composed server side in Node.js, using MVC and REST to maximize efficiency of design
- Mongoose and MongoDB used to store user-selected movies in a watchlist, along with all the details of that movie
- Utilized Axios to make calls to multiple APIs in order to aggregate and store all of the necessary data for each film
- Engineered front end using HTML and CSS (Bootstrap), and Embedded Javascript
- Deployed publicly using Heroku

Tamagotchi Web App - Responsive web game July 2021
HTML, CSS, Javascript, Git/Github

- Developed a browser based game where a player is able to maintain a Tamatochi style pet
- Browser game environment was built using HTML and styled using CSS
- All points of interaction between the player and the game were handled via Javascript, as well as animations pertaining to each action that the player can utilize
- Deployed publicly on Github-pages

Professional Experience

Nura Bio Inc - Senior Research Associate | South San Francisco, CA September, 2018 - July 2021

- Built programs that maximize the efficiency of data processing, while minimizing the points of human error in support of drug discovery efforts. Programs were built with Python, NumPy, Pandas, Seaborn.
- Leveraged automation and collaboration in the pursuit of scalable consistency and efficiency in cell-based work
- Developed image analysis algorithms to extract data from fluorescence microscopy images using Python, CellProfiler, OpenCV, and ZEN
- Regularly presented data in granular level team meetings, as well as high level company-wide discussions

Georgetown University - Laboratory Technician | Washington, DC

August 2017 - August 2018

- Evaluated cognitive, behavioral, and histological outcomes to characterize neonatal anticonvulsant exposure in rats and macaques
- Findings were presented to faculty and colleagues of the Department of Pharmacology at Georgetown University, as well as in a publication in the Journal of Epilepsy Research

EDUCATION

General Assembly | Remote

2021

Software Engineering Immersive

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

George Washington University | Washington, D.C.

2016

Master of Science in Anatomical and Translational Sciences

University of Pittsburgh | Pittsburgh, PA

2014

Bachelor of Science, Neuroscience