Greg Danko, M.S.

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Former neuroscientist transitioning into the field of software engineering. After months of self-teaching and subsequent completion of General Assembly's Software Engineering Immersive program, I am excited at the prospect of refining my skills in and contributing to a thriving engineering environment.

Core Competencies

Javascript: JavaScript, Embedded Javascript, Express.js, Node.js, React.js

Python: NumPy, Pandas, Matplotlib, Seaborn

Database: MongoDB, Mongoose, SQL, Postgres, AJAX

Markup: HTML, CSS

Collaboration: Git/Github, Trello

Professional Experience

Research Associate II – Nura Bio Inc, South San Francisco, CA   *10/2018-07/2021*

- Built computer programs to increase the speed of data processing and analysis in support of drug discovery efforts. These efforts have saved multiple scientists hours of time that would have been spent manipulating data within excel, while eliminating all points of possible human error.
    - These programs were built with Python and related python packages including Pandas, Matplotlib, and Seaborn
- Leveraged automation in the pursuit of consistency and efficiency in cell cultures and cell-based assays using the ZEISS CD7 microscope, Incucyte S3, and Agilent Bravo Liquid Handler whenever relevant.
- Collaborated across teams regularly in support of drug discovery efforts
- Developed image analysis algorithms to extract data from fluorescence microscopy datasets.
- Aided in the design and positioning of the company's digital presence.
- Regularly presented data in team meetings as well as in company-wide discussions

Laboratory Technician – Georgetown University, Washington, D.C.   *08/2017 - 08/2018*

- Evaluated histological outcomes to characterize neonatal anticonvulsant exposure in rats and macaques using microscopy, immunohistochemistry, microtomy, and silver staining.
- Findings were presented to faculty and colleagues of the Department of Pharmacology

Education

- General Assembly Software Engineering Immersive Program, July-September 2021
- Master of Science in Anatomical and Translational Sciences, George Washington University, Washington, DC , May 2016
- Bachelor of Science in Neuroscience, University of Pittsburgh, Pittsburgh, PA, August 2014,

Publications

Structural and Mechanistic Regulation of the Pro-degenerative NAD Hydrolase SARM1.

Bratkowski M, Xie T, Thayer DA, Lad S, Mathur P, Yang YS, **Danko G**, Burdett TC, Danao J, Cantor A, Kozak JA, Brown SP, Bai X, Sambashivan S.Cell Rep. 2020 Aug 4;32(5):107999. PMID: 32755591

Impact of strain, sex, and estrous cycle on gamma butyrolactone-evoked absence seizures in rats.

Santos VR, Kobayashi I, Hammack R**, Danko G**, Forcelli PA.Epilepsy Res. 2018 Nov;147:62-70.

doi: 10.1016/j.eplepsyres.2018.09.007. Epub 2018 Sep 18. PMID: 30261353