

RACHEL BOZADJIAN

FRONT END DEVELOPER

/ ABOUT ME

Self-taught front end developer at the intersection of design, technology, and science. I prioritize clean, organized code while building streamlined software that is both easily navigable and aesthetically pleasing.

/ CONTACT

Boston

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<https://github.com/rboz1>

>> https://rboz1.github.io/portfolio_site/

/ SKILLS

HTML5

CSS3

JavaScript

Flexbox/Grid

Python

React

Responsive Design

/ WORK EXPERIENCE

>> **Research Associate II** December 2021 to present

>> **Research Associate** May 2019 to November 2021

Asimov | May 2019 to present

- > Create software tool using **JavaScript** that enables lab team to input and consolidate 96-well plate data, which reduces hands-on time and reliance on spreadsheets
- > Develop **Python** script using **SciPy** and **PANDAS** libraries to analyze and plot data from plate reader .CSV file
- > Automate Sanger Sequencing protocol on OT-2 Liquid Handling Robot using **Opentrons Python API**
- > Collaborate cross functionally with automation team to improve the **user interface design** of sample tracking system and operations tracking software
- > Train team members on various lab protocols
- > Participate in the interview process for a wide variety of candidates across the company

>> **Research Assistant**

Brown University | Sept 2018 to May 2019

Highlighted Project: Impact of IL1-Beta on Wound Healing in Type 2 Diabetes.

>> **Research Assistant**

UC Santa Barbara | Aug 2016 to Aug 2018

Highlighted project: Development of a Novel Rat Model for Diabetic Retinopathy.

/ EDUCATION

>> **University of California San Diego Extension**

Certificate in Front End Development | September 2021

- > Designed and built mock website with modern markup and layout models such as semantic HTML5, CSS3, and CSS Flexbox and Grid
- > Used Studio Ghibli API to build website with React featuring film library

>> **University of California Santa Barbara**

BS Biopsychology | Class of 2016

/ PUBLICATIONS

Bagley JR, Adams J, [Bozadjian RV](#), Bubalo L, Kippin TE. Strain differences in maternal neuroendocrine and behavioral responses to stress and the relation to offspring cocaine responsiveness. *Int J Dev Neurosci*. 2019 Nov;78:130-138. doi: 10.1016/j.ijdevneu.2019.06.009. Epub 2019 Jun 22. PMID: 31238105; PMCID: PMC6824979.

Toh H, Smolentsev A, [Bozadjian RV](#), Keeley PW, Lockwood MD, Sadjadi R, Clegg DO, Blodi BA, Coffey PJ, Reese BE, Thomson JA. Vascular changes in diabetic retinopathy-a longitudinal study in the Nile rat. *Lab Invest*. 2019 Oct;99(10):1547-1560. doi: 10.1038/s41374-019-0264-3. Epub 2019 May 17. PMID: 31101854; PMCID: PMC6788790.

Bagley JR, Adams J, [Bozadjian RV](#), Bubalo L, Ploense KL, Kippin TE. Estradiol increases choice of cocaine over food in male rats. *Physiol Behav*. 2019 May 1;203:18-24. doi: 10.1016/j.physbeh.2017.10.018. Epub 2017 Oct 19. PMID: 29056351; PMCID: PMC5908759.