**Julia Szymanski**

Software Engineer

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Published scientist with research experience in the molecular diagnostics field, inspired by computer science applications to automate data analysis. I’m a passionate Full Stack Software Developer looking to jumpstart and grow my career in software development.

**Software Development Skills**

* Debugging, JavaScript, Python, Node.js, React, Express, Redux, RESTful API, PostgreSQL, Sequelize, Bootstrap, Flexbox AWS, React Native, HTML, CSS

**Education**

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA June 2019 – December 2019

* Software engineering training program covering full-stack development including, but not limited to JavaScript, Python, including an emphasis on cutting-edge frameworks like React/Redux and server-side technologies including Node.js, Express, and PostgreSQL.

DFSS Six Sigma Certification | San Diego, CA October 2020 – November 2020

University of California, San Diego (UCSD) | B.S. in Biochemistry & Cell Biology | La Jolla, CA 2010 – March 2014

UCSD Extension | Courses in Spanish, French, Portuguese | La Jolla, CA October 2016 - present

**Software Development Portfolio**

**Safe Travel Web-App** | [https://safetravel.com](https://safetravel-s.netlify.app/) | [https://github.com/safe-travel-webapp](https://github.com/lopezg3000/safe-travel-webapp) August 2021

* Lead development efforts for an informative website providing location specific details about travel restrictions, vaccination rates, covid cases, and more.
* Used AJAX to call several APIs and Chart.js to graph and display quantitative API data

**Fizzy Fizzy Bathbombs** | [https://fizzyfizzybathbombs.com](https://fizzyfizzybathbombs.herokuapp.com/) | <https://github.com/Full-Stack-Project> May 2021

* Member of a 4-person development team building an e-commerce site that sells bath products
* Primary responsibility included creating databases with user and product information on PostgreSQL, migrating and seeding tables using Sequelize, using CRUD to use database information, deployment on Heroku, utilizing ES6 template engine to welcome logged in users to the catalog page
* Full-stack project build with Node.js, Express, Sequelize, PostgreSQL, bycrypt, ES6 template engine

**Professional Work Experience**

**Scientist II** | Becton, Dickinson and Company (BD) | San Diego, CA   February 2020 – June 2021

* Played an instrumental role in establishing systems and made key contributions to assay design, optimization, and functional assay characterization
* Lead new associate onboarding efforts by providing technical training on contamination control and proprietary isothermal nucleic acid amplification technology
* Continuation of work initiated at NAT Diagnostics (acquired by BD in 2020).

**Research Associate** | NAT Diagnostics, Inc. | San Diego, CA April 2016 – February 2020

* One of eight legacy members of the small molecular diagnostics startup that was acquired by BD in 2020

**Research Associate** | Batu Biologics, Inc | San Diego, CA February 2015 – April 2016

* Peer reviewed several papers on the efficacy of a cellular vaccine for small cell lung cancer
* Conducted preclinical research toward the development of a cellular cancer vaccine using cell culture and analysis by flow cytometry at Janssen Research and Development (JLABS) in La Jolla

**Publications**

Safety of targeting tumor endothelial cells

4/12/2016, Journal of Translational Medicine

Cancer anti-angiogenesis vaccines: Is the tumor vasculature antigenically unique?

10/29/2015, Journal of Translational Medicine

Induction of tumor inhibitory anti-angiogenic response through immunization with interferon Gamma primed placental endothelial cells: ValloVax™

3/14/2015, Journal of Translational Medicine