

# Sanjana Pendharkar

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## Education

**Rutgers University, New Brunswick**  
*B.S. in Computer Science*  
*Minor in Biology*  
*School of Arts and Sciences Honors Program*  
*Computer Science Departmental Honors*

09/17 - 05/21

## Experience

**Harvard Center for Geographic Analysis**  
*Research Assistant*

09/2020 - Present  
*Remote*

- Reviewing, testing and replicating UChicago's Bayesian interference, state-space COVID-19 transmission model in R to optimize public health policies and pandemic prevention strategies

**Beingo**  
*Software Engineering Intern*

06/2020 - 08/2020  
*Remote*

- Applied Angular CLI, Angular Material and NGX Bootstrap to develop a customizable data analytics dashboard that featured sample data of critical metrics, such as user engagement and user retention
- Integrated a Postgres SQL database to dashboard that would be used to sync real-time information from consumer interactions
- Inspected business analytics basics in dashboard development, including identifying target user base and generating personas to know the intention, goals, targets, pain points and success criteria of potential consumers

**Bromberg Lab**  
*Student Researcher*

09/2019 - 05/2020  
*New Brunswick, NJ*

- Analyzed 2,000+ training data sets for protein categorization by finding patterns in their amino acid sequencing using Pandas and NumPy libraries
- Programmed, remodeled and tested a gradient descent neural network to improve the accuracy of SNAP, a machine learning algorithm that evaluates the effects of point mutations in proteins

**Wolters Kluwer**  
*Governance Risk & Compliance Intern*

05/2019 - 08/2019  
*New York City, NY*

- Implemented and validated ticketing queries to analyze consumer data being transferred from XML to JD Edwards database through MySQL using PL/SQL Developer
- Optimized queries for a 10% faster runtime through joins and advanced SQL query structures, such as correlated updates, indexing and subqueries
- Investigated cradle to grave life cycle of a software product (Development, Quality Assurance, Staging, Production) and critical networking terms, such as HTTP/HTTPS protocol, default host, ports and tunneling

## Projects

**Together Not Alone**  
*Website Developer & Designer*

- Performed UI/UX research, using A/B testing, Gestalt Principles and Design Thinking, to understand organizational needs and layout website design/branding strategy
- Coded an organizational website from scratch using Jekyll as our primary blog hosting and backend platform and HTML/CSS/JavaScript for theme design and animation
- Currently researching and implementing Google SEO and Google Analytics to understand critical metrics, such as user traffic, with the end goal of boosting blog viewership by 20%

**Brain Break**  
*Front-end Developer*

- Prototyped an app using Java on Android Studio that facilitates physiological well-being by reminding users to take a short exercise break while working on a computer
- Recognized as "Best Entrepreneurial Hack" from over 40+ projects in ByteHacks 2018

## Technical Strengths

<b>Languages</b>	Python, Java, JavaScript, HTML/CSS, C, SQL
<b>Frameworks</b>	PyTorch, React, Angular, Bootstrap, Git, Jekyll
<b>Design</b>	Adobe Photoshop, Adobe Illustrator, Sketch, Invision Studio