

# Tejas Phaterpekar

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## Highlights

- Versatile communication skill set that is applicable to a diverse range of individuals
- Well-equipped to handle challenging and unique social situations
- Trained to look at problems from different perspectives

## Education

### Bachelor of Science – Molecular Biology and Biochemistry

*Simon Fraser University*

**Burnaby, BC**

Completed: April 2018

- cGPA: 3.94/4.33
- Three-time Dean's Honour Roll Recipient
- Three-time President's Honour Roll Recipient

### Skill in Bioinformatics

*Simon Fraser University*

**Burnaby, BC**

January 2017-April 2018

- Experienced in popular bioinformatics software and databases
- Completed projects involving phylogenetic analyses of unknown DNA sequences
- Wrote a critical review on DIABLO, a novel integrative classification method

### Master of Data Science

*University of British Columbia*

**Vancouver, BC**

September 2019 -Present

- Skill development in data processing, machine learning and visualization
- Published a dashboard application aimed at tracking pollution trends in BC
- Expected to graduate in July 2020

## Work Experiences

### Research Assistant –Thewalt Biophysics Lab

*Simon Fraser University*

**Burnaby, BC**

May 2017 – Present

- Two-time Natural Sciences and Engineering Research Council Award recipient
- Presented poster at Biophysical Society of Canada Meeting 2018
- Employing Fourier Transform methods on raw data
- Analyzing data trends with the use of Igor data analysis software
- Interpreting data obtained from deuterium and proton nuclear magnetic resonance

### Teaching Assistant – Faculty of Molecular Biology and Biochemistry

*Simon Fraser University*

**Burnaby, BC**

September 2018 – December 2018

- Taught weekly tutorial classes and led group discussions
- Assessed the needs of the students and adapted strategic teaching plans
- Managed student performance records for ninety students
- Developed new ways to explain complex material, utilizing a bottom-up approach

### Tennis Coach

*Global Tennis Academy*

**Coquitlam, BC**

July 2014 – December 2016

- Identified strengths and weaknesses of the clients
- Prepared lesson plans based on in-person skill assessments
- Facilitated training sessions with high performance players

## Math Instructor

Kumon

Coquitlam, BC

October 2012 – December 2013

- Marked and assessed work handed in by students
- Tutored students in mathematical concepts
- Provided constructive feedback in both written and verbal forms

## Volunteer/Leadership Experience

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### Support Line Worker

Pain BC

Vancouver, BC

October 2018 – Present

- Conducting client intakes and assessing their needs
- Establishing a rapport with patrons using active listening techniques
- Providing solutions using creative research with scarce resources
- Empowering clients to take charge of their health

### Breakfast Program Volunteer

Holy Cathedral Church

New Westminster, BC

May 2018 – Present

- Communicating effectively with individuals suffering from mental illnesses
- Providing physical assistance to individuals with physical disabilities
- Deescalating difficult situations using a calm and patient manner
- Ensuring there was justice in food rationing

### Manor Physiotherapy Volunteer

Eagle Ridge Hospital

Port Moody, BC

May 2017 – Present

- Assisting patient walking exercises through positive encouragement
- Engaging residents on routine one-on-one room visits
- Leading a daily exercise class for the residents

### President and Captain – Tennis Team

Simon Fraser University

Burnaby, BC

September 2015 – April 2018

- Raised \$3870 by directing a crowdfunding campaign
- Made critical roster decisions using years of international competitive experience
- Hosted regular executive meetings to discuss budgeting and fundraising
- Selected new applicants to fill a limited roster based on in-person skill assessments
- Contributed to nation-wide conference calls

### Rehabilitation Social Program Coordinator

Eagle Ridge Hospital

Port Moody, BC

April 2016 – April 2017

- Coordinated social programs for patients of the rehab unit
- Effectively impacted the care of patients through trained communication techniques
- Assessed patient capabilities and adjusted programs to fit their needs

## Publications

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Siavashi R, **Phaterpekar T**, Leung S, Alonso A, Goni FM and Thewalt J. (2018). *Lamellar phases composed of phospholipid, cholesterol and ceramide, as studied by 2H NMR*. Manuscript submitted for publication.

## Skills and Interests

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**Technical Skills:** Python, Java 8, R Programming Language, Igor Pro, ClustalX, PostgreSQL

**Interests:** Spikeball, Camping, Cycling, Vancouver Canucks Hockey

**Certifications:** Standard First Aid and CPR (2014), Tennis Instructor of the Association of Tennis Canada (2014)