Jason

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Full-Stack Web Developer Profile

Diligent and meticulous professional; possess strong aptitude for creating dynamic and user-friendly web applications. Proficient in wide range of programming languages, platforms, and tools. Ability to analyze requirements and deliver exceptional user experiences. Capable of writing clean, maintainable, and well-documented code following best practices and coding standards. Well-versed in collaborating with team members to provide constructive feedback and improve overall development processes. Adept at designing responsive and scalable solutions to exceed client expectations. Eloquent communicator with strong communication, organizing schedule, and time management skills.

Technical Proficiencies

Operating Systems:	Microsoft Windows | MacOS | ChromeOS
Software & Tools:	Microsoft Office Suite (Word, PowerPoint, Excel) | Pages | Numbers | LaTeX | OverLeaf | Adobe Acrobat Reader | Object Relational Mapping (ORM) | Model View Controllers (MVC) | Apollo GraphQL
Programming Languages:	Python | Java | Fortran | SQL | R | Mathematica | MATLAB | HTML | CSS | JavaScript
Web Technologies:	PWA (Progressive Web Apps)
Databases:	MySQL | NoSQL
Web Development Libraries & Frameworks:	Bootstrap | Horizon UI | Bulma | Chakra UI | MERN Stack (MongoDB, Express.js, React.js, Node.js)

Areas of Expertise

- Front-end Development
- Back-end Development
- Performance Optimization
- Testing & Debugging
- Database & Storage
- Time Management
- Team Building & Leadership
- Object-oriented Programming
- Technology Solution Creation

Career Experience

Toronto Metropolitan University & York University, Toronto, ON **2019 – 2022**
Teaching Assistant & Tutor

Conduct interactive tutorials by fostering engagement and comprehension among 30 undergraduates in classroom environment. Collaborate with course instructors in planning and organizing course materials. Assist in conducting lectures and seminars under guidance of instructor.

- Received 95% satisfaction rate in student feedback by initiating establishment and execution of online learning module.
- Increased undergraduates' problem-solving skills in mathematics through personalized tutoring sessions presented by institution's tutoring services.
- Enhanced students' mathematical grasp by evaluating and offering constructive input on papers from various undergraduate math courses.
- Boosted class average by 18% over single semester through innovative tutoring methods and fostering inventive tutoring techniques to accommodate diverse learning styles.

Pickering College, Newmarket, ON **2021**
Camp Counsellor

Supported certified ESL educators in creating engaging educational atmosphere for elementary and secondary students from diverse backgrounds. Oversaw well-being and security of international students residing in dormitories at esteemed boarding school abroad.

- Reduced 50% student disputes within dormitories by resolving conflicts.
- Enhanced academic achievement for international students up to 15% by introducing impactful mentorship program.

Tutor Doctor & Tutor for Less, Toronto, ON **2012 – 2019**
Tutor

Delivered tailored one-on-one tutoring in mathematics and science to students aged 11 to 17 by considering unique backgrounds and diverse learning requirements. Conducted initial assessment of student's academic strengths and weaknesses. Planned and provided engaging training sessions by leveraging appropriate teaching methods/materials.

- Boosted effectiveness of overall company's tutoring process by creating comprehensive suite of resources and practice exercises.
- Improved 90% students' grades over one academic year by identifying learning gaps and developing custom learning strategies.

Education

Bachelor of Education
Queen's University, Kingston, ON, Pursuing

Certificate Program in Full-Stack Developer
University of Toronto School of Continuing Studies, Toronto, ON, 2023

Master of Arts in Mathematics & Statistics (Applied Mathematics Stream)
York University, Toronto, ON, 2021
Master's Thesis:
Computational Methods for One-Dimensional Scattering in Non-Smooth Media

- *Implemented various numerical algorithms for acoustic imaging of layered media*
- *Used algorithm to mimic real-life data dependent on time in place of physical recordings*
- *Compared image efficacy among three algorithms aimed at numerically converting time-dependent data to spatial-dependent information of geophysical densities of material*

Bachelor of Science in Mathematics / Applications
Toronto Metropolitan University, Toronto, ON, 2019

Bachelor of Science in Physics & Astronomy (Physics Stream)
York University, Toronto, ON, 2015

Awards & Certifications

Paul Park Mathematics, Science, and Technology Education Scholarship ($4000) – Queen's University – 2023 – Present
Certification of Completion in U of T SCS Coding Boot Camp – University of Toronto School of Continuing Studies – 2023
York Graduate Scholarship ($5000) – York University – 2019 – 2022
YU Graduate Fellowship – Domestic ($10000) – York University – 2019 – 2022
Paul & Anna Maria Bonato Scholarship ($1000) – Toronto Metropolitan University – 2018
Worker Health & Safety Awareness in 4 Steps – Ministry of Labour – 2019
Certified Java Associate – Online Expert v6 – 2018
Teaching English as Foreign Language – University of Toronto – 2015

Volunteering

Tutor – Frontiers College Newcomers Homework Club

- Provided free tutoring to students whose family recently moved to Canada from developing countries
- Assisted newly arrived families in navigating and adjusting to new life in Canada through effective communication

Tutor – Boys & Girls Club of London Foundation

- Empowered children and youth during after-school hours through homework assistance, educational enrichment, and recreational activities while parents work to earn good living for families

Caregiver – Holland Bloorview Kids Rehabilitation Hospital

- Supported children with disabilities participle in activities to best of ability

Key Projects

Individual Projects: Link
Group Projects: Link