**J**USTIN **V**ALENTINE­­­­­­­­

**EDUCATION**

**Edmonton, AB**   **University of Alberta September 2019 - Current**

* **Major:** Mathematics, BSc General
* **Minor:** Computer Science
* **Programming Coursework:** Database Management (SQLite, MongoDB), Programming Methodology (C, Unix)
* **Math Coursework:** Honours linear algebra 1 & 2, honours calculus 1, calculus 2 & 3, statistics, real analysis
* **Other Coursework:** Honours physics 1, microeconomics

**EMPLOYMENT**

**Junior Lifeguard Innisfail Aquatic Centre September 2018 - January 2019**

* Responsible for ensuring the safety of patrons by analyzing the environment and recognizing potential hazards.
* Communicated effectively with guards to allocate tasks with a focus on maximizing efficiency.
* Acted with precision when responding to medical emergencies, and effectively applied first aid knowledge under high stress situations.

**Swim Coach Red Deer Catalina Swim Club 2016 - 2019**

* Created a comprehensive ten-week training program that aimed to introduce the fundamentals of competitive swimming to athletes of various swimming abilities.
* Displayed exceptional leadership skills through my interactions with the athletes.
* Awarded the Bonanza Cup three times recognising my leadership skills and sportsmanship.
* Coached 50+ athletes how to perform the four competitive strokes.

**EXTRACURRICULAR**

**ACM Association for Computing Machinery­­ September 2020 - Current**

* Got the ACM Student and Postdoctoral Chapter officially recognised by the University and the ACM.
* Responsible for managing the income and expenses of the club under the lead role of Treasurer.
* Organised a coding competition though Kattis with 50+ participants.
* Designed the club logo, and posters for our events.

**Swimming Red Deer Catalina Swim Club 2012 - 2019**

* Finalist at National Junior Championships.
* Finalist at Western Canadian Championships.
* Awarded the Swim Alberta youth recognition award “Top 10 Canadian” three times, by surpassing the time standard.
* Nine-time Alberta Summer Games gold medalist.

**SOFTWARE PROJECTS**

**Virtual Rubik’s Cube**

* Developed a computer program that simulates a fully functional Rubik’s cube.
* **Utilized**: Python, Pygame

**Personal Website:** [www.justin-valentine.com](http://www.justin-valentine.com)

* Self taught at HTML and CSS.

**TECHNICAL SKILLS**

**Languages:** (*proficient*) Python, C, LaTeX (*familiar*) Unix, Git, SQLite3, MongoDB, HTML/CSS

**Software:** Microsoft Excel,Photoshop, Blender, Cinema 4d, Ableton live

References available upon request

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[www.github.com/JustinValentine](http://www.github.com/JustinValentine) www.justin-valentine.com