# Ryan Van Drunen

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## Education

**Queen's University** **Sep. 2022 – May 2026**
*Bachelor of Computing (Honours), Specialization in Computer Sciences, Option in Security* *Kingston, ON*

- *Accumulative Average*: 3.95
- *Accomplishments*: Dean's Honour List, Principal's Scholarship

**Owen Sound District Secondary School** **Sep. 2017 – June 2022**
*OSSD, Honours, Ontario Scholar* *Owen Sound, ON*

- *Accomplishments*: Transcontinental Printing Award for Drafting

## Relevant Coursework

- Data Structures
- Computer Architecture
- Software Specifications
- System Level Programming
- Data Analytics
- Discrete Mathematics

## Experience

**Queen's Web Development Club** **January 2024 - Present**
*Team Lead and Developer* *Kingston, ON*

- Manage a team and delegate tasks to the members.
- Communicate with client about needs and team progress.
- Develop a website based on design and client's needs.

**KP9 Interactive** **Jan. 2022 – June 2022**
*Software Developer COOP* *Owen Sound, ON*

- Familiarized with the user-end of web augmented reality.
- Introduced to Git for version control.
- Learned about front-end web development and JavaScript libraries and frameworks such as THREE.js, Vue, Bootstrap and jQuery.
- Built a button customizer modal using Vue and Bootstrap, could be exported as PNG, with configurations downloaded and uploaded via JSON.

## Projects

**Remnant Studios** | *HTML/CSS, JavaScript* | *Source Code* | *Live* **January 2024**

- Worked on cutting-edge anti-cheat and security software for online gaming platforms.
- Led front-end development in web application and user experience.

**Unwordle** | *Python, Docker* | *Source Code* **December 2023**

- Modeled a rendition of the game Wordle using bauhaus, a library for building logical theories with Python.
- Model is given a board configuration, the colours of each position in the board, as well as a solution word, and is tasked to find all possible solutions.
- Used propositions for boards, rows, letters and tiles to create logical constraints depending on the board configuration and solution word.
- Used Git to work seamlessly with a team of 3, and Docker to build and test the project with ease.

## Technical and Interpersonal Skills

**Languages**: Python, Java, C#, HTML/CSS, JavaScript
**Libraries**: numPy, pandas, THREE.js, React
**Technologies/Frameworks**: Git, KNIME, Vue, jQuery, Bootstrap, LaTeX, Docker
**Interpersonal**: Excellent Communication, Detail-Oriented, Punctual, Critical Thinking

## Extracurricular

**Queen's Data Analytics Association** **October 2023 – Present**
*General Member* *Queen's University*

- Collaborative teamwork on engaging real-world projects.
- Comprehensive classes ranging over a variety of fields.