

# Brennan Horvath

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## Summary

Computer Science student with government software development experience in cloud platforms with modern tech stacks. Strong analytical and problem-solving skills, recognized for excellent work ethic, delivering innovative solutions, and understanding complex business logic.

## Education

<b>University of Regina</b> – BSc in Computer Science	<i>Expected Convocation Fall 2026</i>
<ul style="list-style-type: none"><li>Average: 90%</li></ul>	
<b>University of Regina</b> – Certificate in Administration II	<i>Convocation Spring 2026</i>
<ul style="list-style-type: none"><li>Average: 95%</li></ul>	

## Scholarships & Awards:

<ul style="list-style-type: none"><li>Academic Silver Scholarship, Science Faculty</li></ul>	Fall 2024
<ul style="list-style-type: none"><li>Dean's List, Science Faculty</li></ul>	Winter 2023
<ul style="list-style-type: none"><li>University of Regina Entrance Scholarship - \$3000</li></ul>	
<ul style="list-style-type: none"><li>Entrance Football Scholarship</li></ul>	

## Related Experience

<b>Developer Intern</b> , Saskatchewan Government Insurance - Regina, Sask.	May 2025 - August 2025
<ul style="list-style-type: none"><li>Engineered end-to-end Driver's Licence for Change transaction functionality within SGI's new cloud-based platform, DRIVE, including eligibility checks, financial validation, and fee handling</li><li>Developed and consumed REST APIs to transfer data between the legacy Java environment and the new DRIVE cloud platform, ensuring real-time synchronization of driver exam results</li><li>Streamlined key licencing processes (Add, Change, Renew, Reprint) by applying a consistent set of business rules and user experience flows, which reduced errors and improved workflow efficiency.</li><li>Implemented core financial logic for licence transactions, including automated fee calculation and waiver functionality with an auditable override/refund system</li><li>Improved licence transaction UX by implementing smart photo capture logic and collaborating with UX designers to standardize UI flows across multiple transaction types.</li><li>Collaborated in an Agile environment using Azure DevOps for sprint planning, work tracking, and peer reviews, while leveraging Git branching strategies for version control and writing unit/integration tests (Jest) to safeguard functionality and prevent regressions</li></ul>	
<b>Configuration Technician Intern</b> , Government of Saskatchewan - Regina, Sask.	May 2024 - April 2025
<ul style="list-style-type: none"><li>Designed and developed test cases for software enhancements and bug fixes</li><li>Tested interfaces and reports, ensuring new components function and previous functionalities remain intact</li><li>Demonstrated strong problem-solving skills, resolving software and hardware challenges and delivering high-quality solutions to clients</li><li>Optimized report search criteria for improved usability and communicated potential solutions to vendors.</li></ul>	

## Related Skills and Projects

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**Languages & Frameworks:** TypeScript, JavaScript, C#, Python, C++, React, HTML, CSS, PHP

**Tools & Platforms:** Git, Azure DevOps, VS Code, Visual Studio 2022, Power BI, Linux, Swagger, Postman

**Technologies:** MySQL, Jest, LaunchDarkly, Azure Cosmos DB, Zustand

**Concepts:** Relational Databases, Enterprise Systems, SDLC, REST API Development & Integration, Agile/Scrum, CI/CD pipelines

## Personal Projects

- Personal Website using React + TypeScript, Bootstrap and ThreeJS animations
- Using C++ and Lua to code a personal Blackjack game Balatro-like
- eHealth Takehome Assessment - A mentor provided a dataset in which I used Python and SQL alongside Power BI to visualize data and its trends meaningfully

## 306Groove

December 2023 - April 2024

- Designed and implemented visuals on Adobe Photoshop for university student nights
- Promoted events on social media, using in-demand trends
- Negotiated contracts and agreements with business partners and vendors
- Managed funds and budgets effectively with Microsoft Excel, ensuring transparency and efficiency

## Other Work Experience

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**Bartender/Server,** Earls – Regina, Sask.

September 2020 - May 2024

## Courses & Certifications

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- First Aid Certification
- CIPS Accreditation
- React and Typescript Scrimba Courses
- LinkedIn Learning C# Courses

## Extracurricular & Interests

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- Developing Cybersecurity Fundamentals with TryHackMe
- Supplementing Front-end Coursework with The Odin Project
- University of Regina Rams Player
- U16 Team Canada Football Selection

## Volunteer & Community Service

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**Football Coach** - Regina, Saskatchewan

Regina Minor Football & SHSAA

August 2023 - May 2025

- Planned, organized and conducted practice sessions
- Conducted and facilitated offseason workouts
- Analyzed film of the strengths and weaknesses of opposing teams to develop game strategies
- Adjusted coaching techniques based on the strengths and weaknesses of athletes

## References

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Available upon request