

# ADAM CISZEK

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## Summary

I thrive on leading and learning from those around me and I have set goals and outline plans to achieve these. Currently enrolled in the Computing program at Queen's University, I look to apply my strong foundation in software development, software testing, data structures and algorithms, and further apply the experience I have using Python, Java, C, bash, and other programming frameworks. Through consistency in applying my technical abilities, my strong communicative skills, and eagerness to learn, I look to excel as a member of a dynamic team in a professional setting.

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## Education

**Queen's University** | Kingston | 08/2024 | 3.5 GPA

**Bachelor's Degree – Computing (Honours) – Fundamental Computation Specialization**

**Dean's Honour List** | 2023

- Data Structures: Learned to design, analyze, and implement fundamental data structures such as arrays, linked lists, stacks, queues, trees, and graphs to solve programming problems.
- Algorithms: Mastered the design, analysis, and implementation of algorithms for solving various computing problems.
  - Teachers Assistant for "Algorithms" course at Queen's University during Fall and Winter 2023-2024
- Software Architecture: Learned how to design, implement, and test software systems using modern software architecture principles, patterns, and frameworks.

**Richview Collegiate Institute** | Toronto | 06/2020 | 3.7 GPA

**Summa Cum Laude (Honours Roll)** | 2016 - 2020

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## Software Projects

**Platinum Properties Website** | 11/2023

- Developed a fully functional website for a landscaping company using HTML and JavaScript, This included 5 separate pages, and a contact form page.
- Integrated web3forms to allow for clients to contact the company for desired work.

**Travelling-Salesperson Problem (Property-based Testing)** | 11/2023

- Applied property-based testing principles in java to ensure correctness and efficiency of TSP solution, as well as derived other conclusions on the properties of the problem.
- Employed Jqwik to generate matrices and testing the algorithms performance under various scenarios

**RecipeHub Application** | 11/2023

- Implemented a fully functioning Recipe Application in python which allowed for account creation the managing of recipes. Included tabs for recipes by other users and personal recipes, along with options to create new ones.
- Made use of custom python libraries to create databases and graphical user interfaces.

**Task Manager System** | 09/2023

- Implemented a fully functioning Task Manager system in python which allowed for account creation and the managing of projects and tasks.

- Made use of mongoDB to create databases and collections to store user, project, and task information.

#### **Bitcoin** | 04/2023

- Derived and implemented full conceptual and concrete architecture of bitcoin core through reading and understanding code.
- Through team leadership and interaction, we proposed an enhancement to the bitcoin core system in order to reduce the functions that require the global lock to increase the systems parallelism, allowing for greater concurrency.

#### **Sokoban** | 03/2021

- Implemented Sokoban game mechanics using Java, including all the classic mechanics, as well as extra features.

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### **Skills**

Python	Java	C
Bash	SQL	MongoDB
Modelling Languages (Alloy)	Jqwik	Property-Based-Testing
Test Scripts	Automated/generated Testing	PyTest
HTML	Software Architecture Engineering	Quality Assurance

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### **Experience**

#### **Educator** | Lululemon – Toronto & Kingston, ON | 10/2021 - present

- Worked together with other educators and key-leaders to provide customers with a high level of customer service.
- Combined a positive attitude, leadership, a high level of people-skills, along with attention to detail to deliver a positive experience for customers and co-workers.

#### **Teacher Assistant – Algorithms (CISC360)** | Queen's University – Kingston, ON | 09/2023 – 05/2024

- Supported the professor in marking and provided educational leadership to support students learning.
- Made meaningful connections with students and professor.

#### **Camp Leader** | City of Toronto - Toronto, ON | 06/2023 – 09/2023

- Led engaging and educational camp activities and developed and implemented customized lesson plans, tailoring to interest and abilities
- Ensured the well-being of campers by following safety protocols, administering first aid when necessary, and effectively communicating with parents and guardians to provide updates on camper experiences and progress.

#### **Outside-Operations Supervisor** | St. Georges Golf & Country Club - Toronto, ON | 08/2019 - 09/2021

- Collaborated with team members to provide a welcoming environment, along with having a friendly and polite approach to deliver a fun experience.

#### **Soccer Coach Volunteer** | Hellas FC - Toronto, ON | 05/2018 - 08/2018

- Coached kids between the ages 5-12, with having prepared a variety of training drills and fun activities.