

# Arun Atchuthananthan

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## EDUCATION

### University of Waterloo

Bachelor of Computer Science

Waterloo, ON

September 2021 - May 2026

- **95.7%** Cumulative GPA - **Academic Distinction**
- Randall J. Howard Entrance Scholarship, President's Scholarship of Distinction
- Relevant Courses: **Object-Oriented Programming** (Bash/Linux & C++); **Probability** (Statistics)

## TECHNICAL SKILLS

**Languages:** Java, Scala, Kotlin, C, C++, Javascript, HTML/CSS, PHP, Python, Git, Bash, SQL

**Technology:** Bootstrap, React, Firebase, Jira, Confluence, Unity, GitHub, Arduino, Raspberry Pi, Linux

## WORK EXPERIENCE

### AlertDriving

Software Quality Assurance Engineer

Toronto, ON

May - August 2022

- Collaborated with both **Dev & QA** teams to facilitate **TDD** and **adapt** website to client requirements
- Coordinated expansion of Batch Upload feature to **optimize backend** processing for large user files
- Utilized **PHP, Unix, and SQL** to generate and validate logic of user Reminder Email notifications
- Devised testing suites and procedures on **TestRail** for web-based **JavaScript** license filtering feature
- Consolidated and evaluated web application behavior across various **host/VPN test environments**
- Analyzed **GitFlow & Agile SDLCs** for employer software **maintainability**/efficacy in 20 page report

## PROJECT EXPERIENCE

### Sonic Levels, 2D Platformer

December 2020

- Implemented **Java-based object-oriented programming** through **Agile/Scrum** style development
- Developed custom **gameplay mechanics**: save-states, collision physics, shops, and evolving levels
- Integrated **libraries** for user **customization** on backgrounds, music, difficulty, character design

### SnipQuiz, E-Learning Tool

September 2021

- Developed python based **e-learning tool** to convert textbook/note files' contents into adaptable tests
- Enhanced **web sharing** and collaboration functionality within 48 hour timeframe

### Riera, Sustainable Startup Launch

July 2019

- Coordinated high school team to develop a **waste-sustainable startup** during Shad Canada program
- Presented **40+ page business plan**, launch website, and financial model to **5 corporate partners**

## LEADERSHIP EXPERIENCE

### STEM Fellowship

Data Science Outreach Team Member

Remote

June 2021 - May 2022

- Recruited over **500** competitors and professionals for **national data science events** remotely
- Facilitated **partnerships** between 10+ school STEM programs and Data Science Committee leaders

### Relay for Life, Canadian Cancer Society

Leadership Council: Logistics Captain

Toronto, ON

February 2020 - May 2021

- Raised over **\$150,000** for cancer research over **2 annual events**, both in-person and virtually
- Organized meetings, finances, and outreach for **3+ schools** using **Microsoft Office** and **Google** tools