Athena Liu

athenaparthenos2@gmail.com | 289.686.6269

LINKS

Website: athenaliu.me
Github: @athenalry
LinkedIn: /in/athena-liu

TECHNICAL SKILLS

LANGUAGES:
C/C++ • Java • Python • JavaScript
HTML/CSS • PHP • LaTeX • MySQL

FRAMEWORKS / OTHER
Android • Angular • AWS • Azure
Git • Spring Boot • Bootstrap
Maven/Gradle • Raspberry Pi • Rasa
Firebase • Mycroft

AWARDS AND SCHOLARSHIPS

- Loblaw Scholarship $1500
- Computer Studies Award
- Mathematics Award
- 1st Place in Board-Wide Math Olympics
- President's Scholarship of Distinction, $2000 + $3000
- Lieutenant Governor General Community Volunteer Award
- Engineering Competition - 1st in Presentation

EDUCATION

UNIVERSITY OF WATERLOO
BSE: Software Engineering
Software Engineering Scholarship $4000
Expected Apr 2024

Sir Winston Churchill Secondary School
2015-2019 | GPA: 4.0/4.0
Head Start Program:
As a high school student, I took 2 Brock University CS courses. Achieved a mark of **98%** in Intro to CS and **89%** in Intro to Data Structures (Sept 2018 - Apr 2019)

WORK EXPERIENCE

ROYAL BANK OF CANADA Innovation Developer
Jul 2019 - Aug 2019 | Toronto, ON
- Used **HTML/CSS, TypeScript (Angular), and Java (Spring)** to update features on an internal application for tracking the performance of over 1700 RBC Co-ops in an Agile environment
- Redesigned the UI, implemented a new feature that allowed users to create new performance reviews
- Pitched a new feature that streamlines managers' reminder process of various tasks to executives

BROCK UNIVERSITY Android Developer / Student Researcher
Sept 2018 – Jan 2019 | St Catharines, ON
- Developed an **Android** app, <u>Heart Mind Soul</u>, that helps youth balance their triangular health (improved more than 60 students' health by 4% in 40 days)
- Built with Android Studio using **Java, XML and Firebase** in-app user engagement tracking, also used **Gradle**, and **Git/GitHub** to keep track of version control | <u>See Demo</u>
- Received the Rotary Club of Niagara-on-the-Lake Science Award and the Martha Abra Use of Technology Award ($500) at the Niagara Regional Science and Engineering Fair

HOLOEDUCATE INC. Web Developer
Oct 2017 – Jun 2019 | St. Catharines, ON
- Developed a login portal using **HTML, CSS, PHP, MySQL, and AWS S3** for users to upload images for LifeAR

PROJECTS AND HACKATHONS

YAKS VS YETIS Sept 2018 – Jan 2019
- Used **Python** and pygame to build a Plants vs Zombies-style game in which players must defend yetis from yaks. <u>See Demo</u> | <u>View Source Code</u>

INNOVOICER - RBC VOICE HACKATHON Aug 2019
- Used **Python and Raspberry Pi** to build Innovoicer, a meeting room voice assistant with Mycroft's voice synthesis and Rasa's NLU
- Won the "**Best use of IoT Award**",

MICROSOFT AI GAMING COMPETITION Apr 2019
- Wrote a game AI that played a Card Match Game using **Microsoft Azure** - Computer Vision and Python

LOCAL HACK DAY Dec 2018
- Built an MVP of <u>ArcheryAR</u>, an augmented reality archery game, with **Unity** and ARCore (using C#)
- Won **Best Mobile Hack** and **2nd Place Overall**

EXTRACURRICULARS

- Academic Rep, Engineering Ambassador | Sept 2019 - Dec 2019
- Founding President of STEM Club | Sept 2017 - Jun 2019
- Head Editor of School Newspaper | Sept 2017 - Jun 2019
- President of Math Club | Sept 2017 - Jun 2019