Athena Liu

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TECHNICAL SKILLS

LANGUAGES:
JavaScript • Java • Python • C++
HTML/CSS • SQL • C

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

LINKS
Website: athenalry.github.io
Github: @athenalry
LinkedIn: /in/athena-liu

AWARDS
- SE Entrance Scholarship $4000
- Loblaw Scholarship $1500
- Math and Computer Science Graduation Awards
- 1st Place in Board-Wide Math Olympics
- President's Scholarship of Distinction, $2000 + $3000
- Lieutenant Governor General Community Volunteer Award
- PEO Engineering Competition - 1st in Presentation

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Software Engineering (Honours)
Fall 2019 - Expected Apr 2024
- Academic Rep
- Engineering Ambassador

Sir Winston Churchill Secondary School
2015-2019
Head Start Program (for high school students):
- Completed 2 Brock University CS Courses, achieving **98%** in Intro to CS and **89%** in Intro to Data Structures (Sept 2018 - Apr 2019)

WORK EXPERIENCE

INNOVATION DEVELOPER
Royal Bank of Canada   Jul 2019 - Aug 2019
- Implemented various features with **HTML/CSS, TypeScript (Angular), and Java (Spring)** on a real-time, internal application for tracking the performance of **1700+** RBC co-ops in an Agile environment
- Redesigned the UI, refactored the codebase, built a new feature that allowed the creation of performance reviews by connecting endpoints to a database using a RESTful API
- Designed and prototyped a new feature that streamlines managers' reminder process using the **Simple Mail Transfer Protocol** (SMTP) in the JavaMail API

ANDROID DEVELOPER AND STUDENT RESEARCHER
Brock University   Sept 2018 – Jan 2019
- Developed an **Android** app, Heart Mind Soul, that helped 60+ youth balance their triangular health in 40 days
- Built with Android Studio using **Java, XML and Firebase** in-app user engagement tracking l | See Demo
- 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

WEB DEVELOPER
HoloEducate Inc.   Oct 2017 – Jun 2019
- Developed a login portal using **HTML, CSS, PHP, MySQL, and AWS S3** for users to upload images

PROJECTS AND HACKATHONS

JOB LISTING SCRAPER   Dec 2019
- Scraped Indeed job postings with **Python**, the BeautifulSoup library and Jupyter Notebook View Source Code

YAKS VS YETIS   Sept 2018 – Jan 2019
- Designed and built a Plants vs Zombies-style game with **Python** and pygame See Demo | View Source Code

INNOVOICER - RBC VOICE HACKATHON   Aug 2019
- Prototyped Innovoicer, a meeting room voice assistant with **Python and Raspberry Pi** and implemented 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 ArcheryAR, an augmented reality archery game, with **Unity** and ARCore (using **C#**)
- Won **Best Mobile Hack** and **2nd Place Overall**