Athena Liu

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TECHNICAL SKILLS

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

FRAMEWORKS & LIBRARIES
Android • Angular • Spring Boot • BeautifulSoup

SERVICES & TOOLS
AWS • Azure • Firebase
Jupyter Notebook • Git • Gradle

AWARDS

Loblaw Scholarship, 1500, Aug 2019

Lieutenant Governor General Community Volunteer Award, Jun 2019

Math and Computer Science Graduation Awards, Jun 2019

1st/20+ Place in Board-Wide Math Olympics, May 2019

RELEVANT COURSES

As a high school student, I completed **2 Brock University CS Courses**:
• Intro to CS: **98%** (Sept - Dec 2018)
• Intro to Data Structures: **89%** (Jan - Apr 2019)

EDUCATION

UNIVERSITY OF WATERLOO
Candidate for Bachelor's of Software Engineering
Sept 2019 - Expected Apr 2024
Extracurriculars
• Academic Rep
• Engineering Ambassador

Scholarships
• President's Scholarship of Distinction, $5000
• Software Engineering Entrance Scholarship $4000

WORK EXPERIENCE

INNOVATION DEVELOPER
Royal Bank of Canada   Jul 2019 - Aug 2019
- Implemented features with **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 several landing pages, modals, survey forms
- Engineered a new feature to support 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, <u>Heart Mind Soul</u>, with Java, XML and integrated Firebase to monitor in-app user engagement
- Helped **60+** youth balance their triangular health in 40 days
- 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 – Feb 2018
- Used **HTML, CSS, PHP, and MySQL** to develop an Authentication Workflow for consumers to upload images for hyperlink extraction
- Stored files in buckets with **AWS S3** and made RESTful API requests for image processing

PROJECTS AND HACKATHONS

JOB LISTING SCRAPER ⓖ   Dec 2019
- Scraped 100+ *Indeed* job postings with **Python, BeautifulSoup** and **Jupyter Notebook** in order to train a **recommendation model** for matching resumes with job postings

YAKS VS YETIS ⓖ ▶   Sept 2018 – Jan 2019
- Built a Plants vs Zombies-style game with **Python** and pygame

INNOVOICER - RBC VOICE HACKATHON   Aug 2019
- Prototyped Innovoicer, a meeting room voice assistant with **Python and Raspberry Pi**, Mycroft and Rasa
- Processed intents by connecting to endpoints on Rasa's NLU and sending **requests** (from the python library) to Mycroft for voice synthesis
- Won the "**Best use of IoT Award**", read our <u>Blog Post</u> on Mycroft's website

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

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