

# LAWREEN LATIF

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## Education

University at Buffalo, The State University of New York, *Advanced Honors College* May 2019  
*Bachelor of Science in Computer Science; Minor in Mathematics*  
Dean's List - Fall 2015 | **GHC Scholar 2018** GPA: 3.49/4.00

## Programming Experience

CSE 199 Website Redesign, **HTML, CSS, JavaScript** Spring 2018

- Worked with the clients (students and professors) to gather user requirements and relevant data.
- Created Style Guide utilizing HCI design principles, including typography, color palette and accessibility
- Conducted Usability Testing through interviews with 10 former students to get insights into user performance metrics
- Project was selected as the official website and is currently being used by ~500 students.

Notes App, **Android** Spring 2018

- Collaborated with 3 students to make a simple note taking app
- Created the UI Design using SceneBuilder for wireframes
- Implemented the onboarding tutorial and social media sharing functionality

Interpreter, **Java, Standard ML** Spring 2017

- Worked independently to build a stack-based bytecode language.
- Utilized pattern matching algorithm and lambda expressions to better understand recursive and functional programming

## Research Experience

CS Education Thesis Project August 2018 - Present

- Conducting a research project under the advisement of Dr. YunJeong Chang and Dr. Matthew Hertz
- Focus on investigating the influence of Teaching Assistants in the retention rates of underrepresented minority students

## Leadership Experience

UB Hacking, **Director** December 2017 - Present

- Lead 7 teams to organize an event that attracts 500+ hackers from UB and other WNY universities
- Utilize a 25k budget to plan for food and activities that help run the event smoothly
- Previously directed more than 50 volunteers on the day-of as the Logistics Lead to ensure all requirements are met

Scientista, **Events Chair** May 2017 - May 2018

- Organized workshops in app development and other technical sectors to give students skills beyond courses
- Held networking events with professors and community leaders as a resource for our students

STEM Diversity Conference, **Founder** February 2018 - April 2018

- Founded the first student-run STEM Diversity Conference in collaboration with SWE, WiSE, SHPE, oSTEM and Scientista
- Organized a 6 member Academic and a 6 member Industry Panel for minority STEM students to ask questions and get tips
- Followed the panel with a networking session where the 60+ attendees were able to interact with the panelists

UB Design Club, **President** August 2016 - May 2017

- Executed workshops on Web Development and 3D Printing with an attendance of 70 students
- Increased club membership by 75% through keeping the club active and organizing regular meaningful events

## Teaching Experience

Freshman Seminar (CSE 199), Intro to CS for Non-Major (CSE 113), **Teaching Assistant** Aug 2016 - May 2018

- Teach ~ 25 students each recitation and guide them through class activities and labs
- Provide insight on course procedures and curriculum at staff meetings in order to improve the course
- Designed 2 lesson plans for the class of about 440 students on Mobile Web and Internet Economy

Career Services, **Peer Advisor (Student Assistant)** Jan 2016 - May 2017

- Critiqued resumes, cover letters and LinkedIn profiles for more than 200 students
- Presented workshops to the campus community on various professional development topics

## Skills

Proficient: **Java | HTML | CSS | Project Management | Microsoft Office**

Currently Learning: **React | SQL | Database Management**

Courses: **Algorithms Design, Human-Computer Interaction, Differential Equations, Linear Algebra, Probability & Statistics**

Familiar: **C++ | Python | Android | Javascript**

Additional: **Materialize.css | SceneBuilder**

## Awards

**SEAS Student Leaders Award** | April 2018

**James and Nancy McLernon Superior Scholars Award** | April 2016

**Excellence in Leadership** | September 2017

**International Merit Scholarship** | August 2015