

Luke Liu

Email lukeliu@berkeley.edu
Phone +1 (510) 990-4797
Address Berkeley, CA

Education

University of California, Berkeley

August 2019 - Present

B.A. Computer Science (Intended)

- First-Year Coursework: Structure & Interpretation of Computer Programs (61A), Data Structures (61B), Discrete Math (70), Designing Information Devices & Systems (16A, 16B)

Oakville Trafalgar High School

September 2015 - June 2019

Ontario Secondary School Diploma, National AP Scholar

- Class Rank: 1 / 341, Graduating GPA: 99.2%

Experience

President & Lead Tutor, OTHS Math Club

September 2017 - May 2019

- Boosted interest in mathematics by organizing annual school-wide contests and hosting design challenges, resulting in an increase in club membership from 15 to 70 students
- Prepared students for AP Calculus exam and University of Waterloo math contests by creating review materials and running tutorial sessions for both individuals and large groups of students

Piano & Theory Teacher, Mississauga Piano Studios

September 2017 - June 2019

- Applied innovative and personalized teaching methods to help students aged 8-50 achieve 90%+ on RCM examinations (up to Level 9 for Theory and Level 4 for Piano)
- Raised awareness of the plight of rural communities through hosting fundraising concerts and donating 100% of salary earned to WE Charity for school building projects in Ecuador

Finance Chair, Relay for Life OT Chapter

May 2018 - May 2019

- Managed a \$20,000 budget by determining allocations in consultations with other committees, creating reimbursement procedures, monitoring cash flow and compiling post-event financial statements
- Led committee trainings and oversaw the collection of over \$229,000 in pledges, making the event the largest and most successful student fundraiser in Canada

Projects

NutriFitness, Cal Hacks (October 2019)

<https://devpost.com/software/nutrifitness-c7i3na>

- Developed an iOS app that promotes healthy active living through educating users about the impacts of their nutrition and exercise. Specifically, users can access nutrient details by taking pictures of their food and tracking their daily intake/exercise on the main dashboard
- Technologies used: Xcode, Swift, Alamofire, CoreML

Econergize, University of Waterloo EnergyHacks (June 2019)

<https://devpost.com/software/econergize>

- Developed an app and a website that informs consumers about the impacts of their purchases through scanning products' barcodes in order to incentivize companies to pursue sustainable business practices
- Technologies used: React Native, Node.js, Firebase, Javascript, HTML5, CSS

Achievements

Principal's Award for Student Leadership, Ontario Principals' Council

June 2019

Ontario Semifinalist, Educational Computing Organization of Ontario Programming Contest

April 2019

Ontario Finalist, DECA Provincial Competition

February 2019

Level 10 Piano & ARCT Theory, The Royal Conservatory of Music

August 2018

Skills

Programming Languages: Java, Python (proficient); Swift, JavaScript, HTML, CSS (prior experience)

Spoken Languages: English, Mandarin (bilingual); French (intermediate)