

# En Ming (Bill) Liu

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## Education

### University of California, Los Angeles (UCLA)

Bachelor of Science, Mathematics of Computation  
GPA: 3.91

Los Angeles, CA

Jun 2022

### Colonel By Secondary School

International Baccalaureate Diploma

Ottawa, ON

May 2018

## Experience

### Logos

Software Development Intern

Los Angeles, CA

Oct 2018 – Present

- Part of the iOS development team building an app using machine learning and natural language processing to socially engineer high-quality diverse news content
- Developed front-end Swift functions to read from and write to Firebase databases
- Helped design and restructure back-end database structure, resulting in improved app load times and general efficiencies
- Maintained article and opinion mapping feature, working extensively with Google Maps API

### Appeel International

VP of Design

Ottawa, ON

Nov 2017 – Jul 2018

- Managed design team for student-run non-profit company distributing accessories to local students and the community
- Built and maintained website dedicated to marketing and social media interaction
- Surpassed revenue goals and generated over \$1,000 towards the Ottawa Network for Education

## Skills

**Programming Languages/Stacks:** Swift, C++, Java, JavaScript, React, Express/Node.js/Firebase, HTML/CSS, C#/Unity, Git/GitHub/GitLab

**Software:** Microsoft Office Suite, Adobe Photoshop, Adobe Illustrator

**Languages:** English, French, Mandarin

## Projects

### GravityFall

Multiplayer platformer game built in Unity with C# in 12 hours during Hack on the Hill V @UCLA. Winner of the Best Game category at HOTH V.

Available on DevPost.

Unity/C#

[devpost.com/software/gravity-fall](https://devpost.com/software/gravity-fall)

### Micromouse

Autonomous robot programmed to find the center of a 16x16 maze. Employed skills such as soldering, designing PCBs, and maze-solving algorithms

Available on GitHub.

C++

[github.com/eptoragoras/micromouse](https://github.com/eptoragoras/micromouse)

### Personal Website

Developed personal website hosting contact information, resume, and additional details about my projects.

HTML/CSS

[enming.gq](https://enming.gq)

### SpaceShump

Built a space-themed Shoot-'Em-Up game applet in Java for a summative Computer Science project.

Available on GitHub.

Java

[github.com/eptoragoras/SpaceShump](https://github.com/eptoragoras/SpaceShump)

## Awards and Certifications

Apr 2017 & 2018 **Educational Computing Organization of Ontario (ECOO) Programming Contest Finalist**, recognized for qualifying for the provincial finals in the ECOO Programming Competition.

Dec 2017 **Diplôme d'études en langue française (DELFI) Level B2**, recognized for obtaining Level B2 in the DELFI French Examination.

Nov 2017 **Computer Science Subject Award**, recognized for outstanding achievement in an introductory computer science course.