

# Andrew Do

Chicago, United States, 5809777360, andrewydo@gmail.com

## PROFILE

Current Computer Science major at Loyola University Chicago and Technology Trainer at Compudopt. Actively seeking a summer internship in software IT or related tech fields to further develop practical skills.

## PROJECTS

Jan 2024 — May 2024

### Health Tracker

Chicago

As an integral part of the "Health Tracker" application, I developed the initial framework for the social engagement features. This feature allows for a user community through an interactive forum that encourages dialogue and health-related insights. The addition of a competitive yet collaborative environment where users are able to partake in health challenges which includes tracking daily steps and working towards a target BMI. Completion of these challenges will result in users with digital achievements, adding an element of gamification to encourage user engagement. To enhance security and usability, Firebase was implemented into the project for user authentication.

Jan 2024 — May 2024

### Landfall

Chicago

In "Landfall," an RPG that allows players into the role of a Private Military Company (PMC), you navigate varying difficult battles and manage contracts. My contributions focus on developing core gameplay mechanics—specifically, player movement and enemy interactions within a Pygame framework (Python). The game revolves around a reputation-based system where skill upgrades and encounters with hostile CPU-controlled adversaries shape the player's journey. Advancing through the game, players earn a higher reputation and greater financial rewards, which can be used to enhance their capabilities. Ultimately, "Landfall" offers a unique, strategic experience as players climb the ranks in this immersive world.

Sep 2023 — Apr 2024

### Personal Portfolio

Chicago

This website was developed using HTML, CSS, and JavaScript to showcase the entirety of my portfolio. It features detailed descriptions of my projects, along with links to their respective GitHub repositories. Additionally, the site includes a contact page that uses Google Sheets to collect inquiries. You can also find links to my LinkedIn, GitHub, and Instagram profiles. Lastly, you can directly download my resume in the format of a pdf.

Jan 2024 — May 2024

### Forth

Chicago

We are currently developing a C-based interpreter for the Forth programming language. As of now, I have focused on implementing and manipulating variables which involves designing a comprehensive system that allows the interpreter to recognize and process variable tokens from user inputs. We also plan to add additional support for functions and the "REPL" of Forth. This project has been a crucial step in my understanding of low-level programming.

## SKILLS

Algorithms	C (Programming Language)
Java (Programming Language)	Front-end/Back-end Development
Python (Programming Language)	Teaching
HTML5/CSS (Programming Language)	Operations
JavaScript (Programming Language)	Communication
SQL	Quality Control
Firebase	Document Management
Object-Oriented Programming	

## EDUCATION

Aug 2020 — Present

Computer Science, Loyola University Chicago

Chicago

---

EMPLOYMENT HISTORY

Aug 2023 — Present	Technology Trainer, Compudopt	Chicago
	<p><b>Technology Training:</b> Conduct technology training sessions ranging from hardware and software subjects. This included coding, robotics, hardware troubleshooting, and software components.</p> <p><b>Programming Instruction:</b> Specifically, effectively teach students a variety of programming languages including Javascript, Python, Makecode, and Scratch. The curriculum with Makecode extends to incorporating hardware elements such as Microbits for constructing sensors and other technology-related projects.</p> <p><b>Curriculum Development:</b> Develop and adapt training materials and interactive lesson plans to ensure thorough learning experiences. Also, collaborated with colleagues during this process.</p> <p><b>Community Engagement:</b> Participate in community outreach efforts to promote tech education.</p>	
Jun 2021 — Aug 2021	Volunteer, Integris Bass Baptist Hospital	Enid
	<p><b>Patient Assistance:</b> Engaged in welcoming patients, addressing inquiries, and providing navigational guidance to enhance the patient's experience.</p> <p><b>Medical Supply Coordination:</b> Responsible for organizing medical devices and supplies for nurses and doctors. Made sure to communicate with medical staff to place items in the correct department.</p> <p><b>Document Management:</b> Organized and filed paperwork, encompassing patient records and medical charts. Maintained protocol for confidentiality to maintain data integrity.</p>	
Jun 2017 — Jul 2021	Stock Manager, Mac's Mart 2 and Sooner Stop	Enid
	<p><b>Product Management:</b> Monitored inventory levels in order to ensure products were always stocked.</p> <p><b>Quality Control:</b> Checked for damages, and defects and made sure the correct amount of product was received.</p> <p><b>Communication:</b> Assisted customers with basic inquiries. Sharpened my communication skills.</p>	
Jun 2017 — Aug 2019	Summer Camp Instructor, Enid Korean Church of Grace	Enid
	<p><b>Activity Leadership:</b> Led group activities and facilitated lessons at a church camp for children of various ages and backgrounds.</p> <p><b>Language Instruction:</b> Assisted in teaching Korean language and culture to young learners, using engaging and interactive methods.</p> <p><b>Curriculum Design:</b> Developed and implemented curriculum and lesson plans for language instruction, incorporating games, songs, and other fun activities.</p> <p><b>Inclusion and Team Building:</b> Fostered a positive and inclusive environment that promoted teamwork, respect, and cultural understanding.</p>	

---

LANGUAGES

English

Korean