Andy Pang, Software Developer

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EDUCATION

Aug 2021 — Present

Bachelor of Arts, Cornell University
Ithaca, New York

- **Major:** Computer Science, Physics
- **Minor:** Business
- **Relevant Courses:** Algorithms & Data Structures, Functional Programming, Intro to iOS Development, Modern Web Development, Discrete Mathematics, Object-Oriented Programming, Differential Equations, Linear Algebra, Multivariable Calculus

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SKILLS

C#	React.js
Swift	Flutter
Python	MongoDB
JavaScript	Firebase
C++	MySQL
Java	Unity
OCaml	Git

PROJECTS

Dec 2022 — Mar 2023

Babblr
Text and Speech Translator

- An iOS translator app that can translate between texts, speech, and audio files
- Used REST APIs such as **DeepL API** to translate between languages and **AssemblyAI API** for speech-to-text conversion in multiple languages
- Stores translated texts and speeches on database with **MongoDB**

Jun 2022 — Jul 2023

Lumiere
Movies Tracker

- An iOS tracker app that allows users to log, comment, and sort watched movies and future watch-lists
- Handled over **1,000 reads & writes requests** on the database within 2 days of being released on the App Store
- Implemented **Email Authentication** system using **FirebaseAuth** and data storage via **Firestore**

Dec 2021 — Jan 2022

Pac-Man 3D
Classic Arcade Remake

- Recreated Pac-Man arcade game that can be played on Windows, macOS, and Linux
- Implemented **AI enemy** ghosts that are controlled by Unity **NavMesh Agents** with **A* Pathfinding Algorithm** to tactically follow the player
- Utilized Post-Processing and **Shader Graphs** to create VFX for a more immersive gameplay experience

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EXPERIENCE

Jan 2020 — May 2021

IT Support Technician, Aiglon College

- Helped students install **school-based protocols** and related software
- Fixed hardware and software malfunctions on students' electronic devices
- Hosted **regular Q&A sessions** and provide support for students with queries in Computer Science courses

Sep 2019 — May 2021

Tech Lead, Aiglon Development Team

- Lead a group of skilled developers to build apps to serve **400+ students and staff**
- Developed a web-based pre-ordering app for community café using **Google Apps Script** and **MySQL**
- Developed a mobile messaging app that allows residential staff to check in with students when they leave the campus area with **Swift UIKit** and **ChatSDK Framework**