

# Chak Shun (Andy) Pang

cp487@cornell.edu, github.com/andypang1010, andypang.me

---

## EDUCATION

Aug 2021 — Present

### Bachelor of Arts, Cornell University

- **Major:** Computer Science
  - **Minor:** Game Design
  - **Relevant Courses:** Foundations of Artificial Intelligence, Computer Systems Organization, Algorithms & Data Structures, Functional Programming, Intro to iOS Development, Modern Web Development, Discrete Mathematics, Object-Oriented Programming, Linear Algebra, Multivariable Calculus
- 

## PROJECTS

Apr 2023 — Present

### Tap Tap

- Led a collaborative project to create an **NFC-based web service** enabling seamless menu interaction for customers across Japan
- Designed and implemented the user interface using **ReactJS** and **Bootstrap**, ensuring an intuitive and responsive user experience
- Integrated **StripeAPI** for streamlined payments and established connectivity with NFC tags, while utilizing **Firebase** and **Socket.io** for efficient data storage and real-time communication

Nov 2022 — Dec 2022

### Babblr

- Developed an iOS translator app with versatile translation capabilities, including text, speech, and audio file translation
- Utilized **REST APIs**, including **DeepL API** for language translation and **AssemblyAI API** for speech-to-text conversion in various languages
- Implemented a database solution using **MongoDB** to store translated texts and speech data for seamless access and retrieval

Oct 2022 — Nov 2022

### Lumiere

- Developed an iOS tracker app with features for logging, commenting, and organizing watched movies and future watch-lists
  - Achieved rapid user adoption, handling **over 1,000 database read and write requests** within just **2 days** of launching on the App Store.
  - Implemented a robust Email Authentication system using **FirebaseAuth** and securely managed data storage utilizing **Firestore**
- 

## EXPERIENCE

Jan 2020 — May 2021

### IT Support Technician, Aiglon College IT Department

- Helped students install school-based protocols and related software
- Resolved hardware and software malfunctions on students' electronic devices
- Hosted **regular Q&A sessions** and provide support for students with questions 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**
  - Created 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**
- 

## SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C++, C#, Swift, C, OCaml, RISC Assembly, HTML/CSS

**Frameworks:** ReactJS, UIKit, React Native, Bootstrap, NumPy, pandas, Google Apps Script

**Databases:** Firebase, MongoDB, MySQL, SQLite

**Development Tools:** Git, Bash, Unix/Linux