

PETER D'PONG

SORAPHOJ DAMRONGPIRIYAPONG

peterdpong@gmail.com
(647) 636-0058
Toronto, Ontario
peterdpong.github.io

EDUCATION

University of Toronto: 2nd Year Computer Engineering

2019 - Present

Bachelor of Applied Science – CGPA 3.89

Expected Graduation: May 2023

EXPERIENCES

Freelance – Android Developer – Flutter, Dart

Nov. 2020 – Present

- Implemented app design from the ground up to a Flutter Android app according to Figma designs and product specifications.
- Built various scalable and reusable app components to increase future implementation efficiency.
- Designed and implemented an efficient ListView builder to dynamically instantiate custom widgets based on data.
- Developed backend communication and authentication to Firebase using FlutterFire and BLoC pattern.

Team Leader – APS111 ESP Design Team

Sept. 2019 – Jan. 2020

- Collaborated with team members to develop and design a solution to help protect Toronto Island residents from flooding threats.
- Showed leadership abilities through organizing meetings/work session and facilitating discussion regarding important decisions resulting in more productive meetings.
- Assigned and managed group tasks resulting in meeting all deadlines without overworking team members.

PROJECTS

BulletTime (Hack the North Hackathon) – C++

Jan. 2021

- Built for the Ubisoft Hackers NEST API Challenge on the HackersNest Engine provided by Ubisoft in 36 hours.
- Implemented a replay system by sampling player movements and replaying back their movements using linear interpolation.
- Utilized the entity component system to create GUI entities and systems to create menus.
- Developed the game state, random map generation, and implemented reusable wall collidable entities.

Lectern Chrome Extension (NewHacks Hackathon) – JavaScript

Nov. 2020

- Developed a Chrome Extension to help students keep track of online lecture links through a Chrome Popup and notifications.
- Utilized Chrome Storage APIs to store user lectures locally in the browser and get data to display in a schedule format.
- Implemented an alerting system using Chrome Notifications API to calculate the next alert for the user's lectures.
- Developed the UI using HTML and CSS to allow users to add, remove and see all their lectures in one place.

Jotally Web App – JavaScript, React, Node, Express, MongoDB

July 2020 – Aug. 2020

- Implemented a Single Page Application frontend using React where users can add, edit, and view notes.
- Designed and developed the backend REST API to receive requests for retrieving user notes, creating new notes, and authorizing user logins with JWT tokens and password hashing.
- Utilized and implemented MongoDB and Mongoose to save notes and user data.
- Wrote integration tests for both the front and back ends to check functionality of the web app using Jest and Cypress.

Checked Android App – Kotlin, Jetpack, Room Database, MVVM

May 2020

- Launched a native Android app which allowed users to create and manage daily tasks
- Designed and implemented a Room Database and Repository to store and save data locally on the device.
- Followed and applied MVVM architecture which resulted in isolation of non-UI logic in fragment and activity classes.
- Utilized system explicit Intents to request app actions to deliver a broadcast allowing the app to directly compose emails, and open URLs in default apps.