

TEEPHOP KEERASUNTONPONG

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 github.com/floatkeera

EDUCATION

Northwestern University

September 2016 – present

- *Candidate for:* Bachelor of Science in Computer Engineering, Anticipated March 2020
- *Cumulative GPA (as of January 2018):* 3.944 / 4.000
- *Honors:* Dean's List: High Honors Fall 2016, Fall 2017; Honors Winter 2017, Spring 2017
- *Notable Coursework:* Human Computer Interaction, Intro to AI, Data Structures and Data Management

SKILLS

Technical Skills: Java, C++, C#, Visual Basic, SQL, MATLAB, Android Studio, Firebase, Git, HTML, CSS, JavaScript

Languages: Native Proficiency in English & Thai, Intermediate Proficiency in French, Basic Proficiency in Japanese

RELEVANT WORK EXPERIENCE

ARSoft, a company of AR Group

Bangkok, Thailand

Mobile Development Intern

June 2017 – August 2017

- Initiated an ongoing individual project of creating a platform for SMEs in Thailand to manage their inventory and have online store channels with integrated payment gateways as an aid to their e-Commerce services
- Implemented the online shopping Android application for SME consumers using several libraries including Google's *Firebase* suite (Real-time database, Cloud Messaging, Authentication, Storage), YouTube APIs, and *Omise* (payment gateway) SDK
- Designed the JSON processing system, data dictionaries, class diagrams, ERDs for the NoSQL database; and the user interface of the application through storyboards and prototypes created using *proto.io*
- Acquired skills on *Model-View-Controller* and *Delegation* design patterns through Android app implementation

Zensorium (Thailand)

Bangkok, Thailand

Software Development Intern

June 2015 – July 2015

- Developed a companion Android application for the company's stress-monitoring wearable '*being*', using proprietary APIs for Bluetooth LE data sync with Android smartphones
- Configured company's servers to instantiate an *InfluxDB* database to test the application's data upload features
- Aided with wearable product testing by comparing data collected from wearable device with data obtained from medical devices

PROJECTS

calamiti | <https://floatkeera.github.io/>

September 2017 – December 2017

- Launched a website project that aims to be a hub for information about natural disasters, including step-by-step guides, news, and donation methods using HTML, CSS, JavaScript, Bootstrap and *Isotope* jQuery library

ACTIVITIES AND LEADERSHIP EXPERIENCE

NU Robotics | *Lacrosse Goalie Robot Project: Vision Team Secretary*

October 2016 – Present

- Collaborated with a team of five on using 2 *CMU Pixy* cameras and a *Mighty Board* to estimate the relative coordinates of an approaching Lacrosse ball using triangulation algorithms
- Managed camera calibration using *MATLAB* and currently exploring alternative object detection methods through *OpenCV* libraries with Python and C++

Northwestern Chinese Students Association | *Fundraising Chair*

March 2017 – Present

- Initiated and planned fundraising events, which raised a total of \$1700, as well as to promote awareness regarding Chinese and Asian culture on campus

Northwestern Thai Students Association | *Co-President*

October 2016 – Present

- Organized and produced *Thai Night* on campus which drew an audience of more than 300 to showcase Thai culture and act as a liaison between the Thai community and the greater Northwestern community