

# SANDRO PARLINDUNGAN

## » PROJECTS

### Meal Plan

August 2017 - December 2017

- Helped channel each pre- and post-meal prep task for contributing users to complete.
- Established app's multi-platform dependency using HTML5, SCSS, and TypeScript through Ionic framework.

### DotA2 Visualization

January 2017 - April 2017

- Created interactive visualization of DotA computer game statistic abstracted from openDota API in JSON format using D3 libraries and Lodash (JavaScript library)

### Street Art Atlanta (Art-See)

August 2016 - April 2017

- Designed an interactive UI for an android app that tracks location of street arts from users' photo uploads
- Managed photo rating functionality along with navigation service to the street art through Google Maps API
- Manipulated RESTful service to handle limited mobile computing power using Java and Play framework.
- Utilized RESTful API to access Azure SQL Server database and photo storage service

### Embedded Software Design

August 2017 - December 2017

- Programmed MBED ARM 32-bit RISC processor with web-based C++ compiler.
- Configured RTOS for running threads through multiple I/O devices (LED, LCD, Ethernet, Pushbuttons, Speaker)
- Programmed Microcontroller with Code Composer Studio in C++ language.
- Used IMU chip to create a digital compass, configure analog data from IR distance sensor.

### Habit Maintenance Bracelet

August 2017 - December 2017

- Created wrist-worn embedded device to help users enforce habits through unique vibration pattern.
- Utilized ESP32 microcontroller and haptic feedback motor as first-contact hardware with user.
- Engineered android app to subscribe vibration pattern using Bluetooth.

## » EMPLOYMENT

### Shoreline CC Tutoring Service Center

Seattle, WA

#### Academic Tutor

September 2014 - June 2015

- Provides weekly one-on-one tutoring for courses such as physics, math, multicultural studies, and music.

### Shoreline CC Transfer Fair

Seattle, WA

#### Event Organizer

March 2014

- Led 10 university representatives to meet prospective transfer students at Shoreline CC.

## » LEADERSHIP ROLES

### GaTech Indonesian Student Association

#### Director of Public Relation

April 2016 - March 2017

- Organized Indonesian Cultural Night to present Indonesian legacy for 150+ people.
- Raised more than \$2000 of event funding from various sponsors.

## » VOLUNTEER

### IFGF Church Volunteer

#### Church Member

Doraville, GA & Seattle, WA

2013 - 2016

- Youth worship leader (Doraville)
- Music ministry – guitarist (Doraville)
- Church cleaning team (Doraville)
- Prepared meals for special collegiate events (Seattle)

## » CONTACT

✉ sandro.hutasoit2@gmail.com

☎ 206-468-1386

📍 Atlanta, GA

## » EDUCATION

### Georgia Institute of Technology

B.S. Computer Science 2017

## » SKILLS

### PROGRAMMING LANGUAGES

SQLite (0.5 year)

Android SDK (1 year)

D3.js (0.5 year)

JavaScript (1 year)

CSS3 (0.5 year)

HTML5 (2 years)

C (2 years)

Java (4.5 years)

Python3 (2 years)

### SOFTWARE/TOOLS

Ionic

Atom

Sublime

IntelliJ IDEA

Netbeans IDE

Adobe Photoshop

LaTeX

Visual Studio

Android Studio

Git

### CONCEPTS

Linear Algebra

Graph Theory

Algorithm Design

Data Structures

Object-oriented Programming

### OPERATING SYSTEM

iOS

RTOS

Windows

Linux

### SPOKEN LANGUAGES

German (conversational)

Bahasa Indonesia (native)

English (fluent)