Sungho Lee

sunghol@andrew.cmu.edu ∞ https://www.linkedin.com/in/sungho-lee-15972b10b ∞ 202-290-4594

Education and Honors

Carnegie Mellon University, School of Engineering   Anticipated **May 2020**

Bachelor of Science, Computer Engineering   **GPA: 3.3/4.0**

Courses taken: Concepts of Mathematics (21-127); Intro to Comp. and Elec. Engineering (18-100), Differential Equations, Multivariable Calculus

Current: Applied Gadgets, Sensors, and Activity Recognition in Human-Computer Interaction (05-833); Linear Algebra (21-241); Principles of Imperative Computation (15-122)

Projects and Experience

DIY Arduino (05-833 Project)   **March 2017**
- Created an arduino replicator using an ATmega328P chip
- Using Fritzing, designed 2-layer PCB board and got it manufactured at OSH Park

Chai (TartanHacks)   **February 2017**
- Created a cross-platform web and mobile app that checks the wait-time of several eateries around campus using Manifold.js, node.js, Microsoft Azure, and DocumentDB
- As project manager, created plans for the functionalities, outline, and the concept of the application
- Awards: 2017 Tartanhacks Microsoft Award (~$2000)

Project Mirror (Build 18)   **January 2017**
- Created a smart mirror using voice control methods implemented through the Amazon Echo device
- As project manager, planned the list of functionalities and construction of the mirror
- Transferred preconfigured commands via a server to a raspberry pi using server instructions

Project Almanac (HackTJ)   **January 2016**
- Implemented a mobile app using Android Studio, calculating areas applying Gauss's area formula on GPS coordinates
- Awards: 2016 HackTJ KPCB Fellows Award

Skills

Software Development Experience: C, Java, Android Studio, Arduino, Assembly
Design Experience: Fritzing, AutoCAD
Languages: English, Korean

Work

Activity Board Technical Committee   **August 2016-Current**
- Professional quality entertainment production, including audio engineering, light engineering, and stage management
- Dealt with clients ranging from professional DJs to student activity organizers to run shows that had attendances around 500.