# Jusung Han

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## Education

**University of Illinois, Urbana-Champaign** — May 2020
*Bachelor of Science, Electrical Engineering* — GPA: 3.7/4.0
**Dean's List** – Fall 2014, Spring 2015

**Relevant Coursework**

• Data Structures      • Digital Systems Laboratory

• Computer Systems Engineering      • Applied Parallel Programming      • Machine Learning

## Project

**Photomosaic** — Champaign, IL
*Design Project* — April 2018 – May 2018
- Developed a program with C++ and generated a photomosaic using a base picture and pixel pictures
- Generated a photomosaic by matching each pixel of the base picture with corresponding pixel pictures

**Space Invaders** — Champaign, IL
*Class Project* — April 2018 – May 2018
- Developed a Space Invaders game with SystemVerilog, C, and Quartus program and implemented the program to FPGA chip on Altera DE2 board

**Portfolio Website** — Champaign, IL
*Personal Project* — August 2018 – August 2018
- Created and Developed a portfolio website using HTML, CSS, JavaScript

**Don't Forget Your Keys** — Champaign, IL
*Design Team Project* — August 2014 – December 2014
- Created a model system that alarms when someone leaves a room without a sensor-attached object. Implemented with Arduino, RFID chips, and wood boards
- Awarded the most creative project award as a team of 6 members

## Research Experience

**Department of Civil & Environmental Engineering** — Champaign, IL
*Research Assistant* — June 2018 - August 2018
- Developed a desktop application that calculates factor of safety given the data about layout of the land, using JavaScript and its library electronJS and threeJS
- Attended weekly meetings to share each week's progress

## Leadership & Activities

**HKN (**Eta Kappa Nu**)** — Champaign, Illinois
*Member* — Aug. 2017 - Present
- Held a review session for ECE 210, Analog Signal Processing

**ROK** (South Korea) **Army** — Pocheon, South Korea
*Squad Leader, Sergeant* — June 2015 – March 2017
- Trained 3 lower ranks to be able to work on their own for the overnight duty. Duties on daily tasks and real time situations include assigning squad members for small tasks from a task given by the officers.
- In charge of communicating between non-commissioned-officers with squad members
- Translated requests to and from US Army of ROK Army operations

## Skills

**Programming Languages**
- C, C++, SystemVerilog, HTML, CSS, JavaScript, Python